JEFFERSON PARISH
DEPARTMENT OF PURCHASING

CYNTHIA LEE SHENG
PARISH PRESIDENT

RENNY SIMNO
DIRECTOR

February 02, 2023

ADDENDUM #1

Bid Number: 50-00140873

Bid Opening Date: February 23, 2023

Description of Bid: Furnish Labor, Materials and Equipment to Provide and Install Play Equipment and a One Layer Bonded Rubber Surfacing on Two Areas on Existing Concrete Slab for the Jefferson Parish Department of Parks and Recreation.

CLARIFICATION:

Please see attached:

Revised Specs

Revised Public Works Bid Instructions – Owners Protective Liability and Builders Risk Insurance have been removed

Sincerely,

Donna M. Evans
Donna M. Evans
Buyer II

Jefferson Parish Purchasing Department

Bidders must acknowledge all addenda on the bid form. Bidder acknowledges receipt of This addendum on the bid form as indicated. Failure to do so will result in bid rejection.

This addendum is a part of the contract documents and modifies the original bidding documents and specifications. The contents of this addendum shall be included in the contract documents. Changes made by this addendum shall take precedence over the documents of earlier date.

JOSEPH S. YENNI BUILDING - 1221 ELMWOOD PARK BLVD - SUITE 404 - JEFFERSON, LA 70123 - PO BOX 10242 JEFFERSON, LA 70181-0242
OFFICE 504.364-2678

GENERAL GOVERNMENT BUILDING - 200 DERBIGNY ST – SUITE 4400 – GRETNA, LA 70053 - PO BOX 9 – GRETNA – LA 70054
OFFICE 504.364.2678
EMAIL: PURCHASING@JEFFPARISH.NET WEBSITE: WWW.JEFFPARISH.NET

PUBLIC WORKS BID INSTRUCTIONS

A. LOUISIANA CONTRACTOR'S LICENSE FOR THIS PROJECT

Must be in the following category:

Building Construction and/or Recreation and Sporting Facilities and Golf Courses

Each bidder shall comply with all rules and regulations of the Louisiana State Licensing Board for Contractors in accordance with existing state laws, and shall comply with the Licensing Requirements of Jefferson Parish Ordinance No. 13574, as amended a copy of which may be obtained from the Office of the Parish Clerk, Suite 6700, Jefferson Parish General Government Building, 200 Derbigny Street, Gretna, Louisiana 70053.

B. PROBABLE CONSTRUCTION RANGES AND PRICES

Range of the Probable Construction Cost for Base Bid: $0-$250,000

Range of the Probable Construction Cost for Alternate No. 1: N/A

Range of the Probable Construction Cost for Alternate No. 2: N/A

Range of the Probable Construction Cost for Alternate No. 3: N/A

Range of the Previous Contract Cap (Public Work Maintenance Contract): N/A

The purpose and intention of this invitation to bid is to afford all suppliers/contractors an equal opportunity to bid on construction, maintenance, repair, operating, services, supplies and/or equipment listed in this bid proposal. Jefferson Parish will accept one bid only from each vendor. Items bid on must meet or exceed specifications. Where brand names, make, manufacturer or stock numbers are specified, it is for the purpose of establishing certain minimum standards of quality. Bidders may submit for products of equal quality, style, type and character, provided brand names and stock numbers are specified. Complete product data may be required prior to award.

The price quoted for the work shall be stated in figures. In the event there is a difference in unit prices and totals, the unit prices shall prevail. In the event there is a difference in unit prices, written unit prices shall prevail over numerical unit prices.

The quantities listed on the bid form are prepared for comparison of bids and may be approximate. Payment to the contractor will be made in accordance with measurement and payment requirements for bid items and other requirements of the project specifications. Bid item quantities may be increased, decreased, or omitted as provided in the specifications.

Jefferson Parish requires all products to be new (current), and all work must be performed according to standard practices for the project. Unless otherwise specified, no after market parts will be accepted. Unless otherwise specified, all workmanship and materials must have at least a one (1) year guaranty, in writing, from the date of delivery/acceptance of the project.

C. MAINTENANCE, REPAIR AND SUPPLY CONTRACTS (ONLY)

In the event that the successful bidder cannot furnish a specific item or material and labor in the required time, Jefferson Parish may purchase on an emergency basis from the next lowest bidder,

or available source, until such time the successful bidder has notified Jefferson Parish in writing that their stock or labor capability has been replenished. The difference in price will be charged against the successful bidder of this contract, and evidence of purchases and prices will be provided. **Contractor by bidding this proposal acknowledges and agrees to these provisions.**

The prices quoted in bid proposals to supply labor and materials to Jefferson Parish shall include all costs necessary for the complete performance of the work in full conformity with the conditions of the Contract Documents, and shall include all licenses and permit fees and all applicable Federal, State, County or Parish, Municipal, or other taxes due by the contractor. If the Contractor is to act as the Parish's Purchasing Agent for tax exempt purposes, the Parish shall specifically state so within this bid specification.

Jefferson Parish is exempt from paying sales taxes under LSA-R.S. 47:301(8)(c). All prices for purchases by Jefferson Parish of supplies and materials shall be quoted in the unit of measure specified and unless otherwise specified, shall be exclusive of State and Parish taxes. All quotations shall be based on F.O.B. Agency warehouse, or job site, anywhere within Jefferson Parish, as designated by the Purchasing Department.

D. METHODS OF BID SUBMISSION

All bids shall be submitted electronically through Jefferson Parish's eProcurement System online at no charge via Jefferson Parish's electronic procurement page by visiting www.jeffparishbids.net. Registration and use of this site are free to Jefferson Parish vendors. Additional instructions are included in the text box highlighting electronic procurement.

Only bids properly signed (see more below) will be accepted. NO LATE BIDS WILL BE ACCEPTED. The name of the bidder must be legibly shown. If the bidder is an individual, their name and address should be shown. If the bidder is an entity, the name of the person given the requisite authority to submit the bid on behalf of the entity shall be shown and the address of the entity's place of business should be shown.

Evidence of agency, corporate, limited liability or partnership authority of the person submitting and signing the bid is required for submission of bid. A copy of a corporate resolution or other signature authorization shall be required for submission of the bid. Failure to include a copy of the appropriate signature authorization will result in the rejection of the bid unless bidder has complied with LSA-R.S. 38:2212(B)(5). Photostatic or font signatures shall result in the bid being rejected. However, an electronic signature as defined in LSA-R.S. 9:2602(8) is acceptable. Signature must be a secured digital signature. A sample corporate resolution and sample certification of sole proprietorship can be downloaded from the Jefferson Parish Purchasing Department's website http://purchasing.jeffparish.net, or you may provide your own document.

E. TIMELINES

1. Prior to the closing time for receipt of scheduled bids

A bid may be withdrawn at any time prior to the scheduled closing time for receipt of bids, provided a request in writing, executed by the bidder or his duly authorized representative, is filed with the Parish prior to that time. When such a request is received, the bid will be returned to the bidder unopened. However, no bid can be modified, corrected or withdrawn after the time set for closing such bid, except as provided by LSA-R.S. 38:2214(C) & (D).

The Parish, its engineers, architects or anyone distributing plans and specifications for Parish public work projects, equal to or over the contract limit as defined in LA-R.S. 38:2212, shall furnish all prime bidders who request bid documents and who are properly licensed by the Louisiana State Licensing Board for Contractors with at least one set of complete bid documents. A deposit or fee may be charged on the documents as authorized by LA-R.S. 38:2212.

Addenda may be issued, as authorized by LA-R.S. 38:2212 (O). All formal Addenda require written acknowledgment on the bid form by the bidder. Failure to acknowledge an Addendum on the bid form shall cause the bid to be rejected. Jefferson Parish reserves the right to award the bid to the next lowest responsive and responsible bidder in this event.

Prior to submitting a bid each bidder shall visit the site of the proposed work and fully acquaint himself with all surface and subsurface conditions as they may exist so that he may fully understand the facilities, difficulties, and restrictions attending the execution of the work under this Contract. Bidders shall also thoroughly examine and be familiar with Drawings, Specifications, and Contract Documents. The failure or omission of any bidder to receive or examine any form, instrument, drawing, or document or to visit the site and acquaint himself with conditions there existing, shall in no way relieve any bidder from any obligation with respect to his bid and the responsibility in the premises rests with him. Submission of a bid shall be considered prima facie evidence that the bidder has made such examination and is satisfied as to the conditions to be encountered in performing the work and as to requirements of the plans, project specifications, Resolution No. 138482 and Resolution No. 113646, as amended, and contract forms.

Any pre-bid test and boring data in connection with subsurface conditions which have been completed by the Parish or its engineers and furnished to the bidder shall not be considered as fully representative of subsurface conditions existing throughout the area tested nor shall they in any way be binding upon the Parish, it being understood that said data is furnished the bidder for his convenience only and the bidder shall be solely responsible for conducting his own boring explorations he deems necessary in preparing his bid. Any prospective bidder wishing to conduct boring explorations on Parish property must obtain written permission from Jefferson Parish prior to such explorations.

No claims shall be made against the Parish for additional compensation due to unforeseen subsurface conditions arising during progress of the work and which might be in variance with the Parish's pre-bid boring data.

2. Post-closing time for receipt of scheduled bids

Except as where provided by law, bidder agrees that this bid shall be legally binding and may not be withdrawn for a period of forty-five (45) calendar days after the scheduled closing time for receiving bids. In the event the Parish issues the Letter of Award (copy of adopted resolution awarding bid by Jefferson Parish Council) during this period, the bid accepted shall continue to remain binding pending execution of the Contract.

Bidder agrees to execute the ensuing Contract and will deliver applicable Bonds to secure the faithful performance thereof.

The Parish of Jefferson reserves the right to cancel this contract for convenience by issuing a thirty (30) day written notice to contractor.

F. BID REVIEW AND AWARD

1. Rejection of Bids

a. Jefferson Parish may reject any and all bids for just cause in accordance with LA R.S. 38:2214(B). Just cause, for the purpose of the construction of public works, is defined, but is not limited to, the following circumstances:

(1) The public entity's unavailability of funds sufficient for the construction of the proposed public work.
(2) The failure of any bidder to submit a bid within an established threshold of the preconstruction estimates for that public work, as part of the bid specifications.
(3) A substantial change by the public entity prior to the award in the scope or design of the proposed public work.
(4) A determination by the public entity not to build the proposed public work within twelve months of the date for the public opening and reading of bids.
(5) The disqualification by the public entity of all bidders.

b. Additionally, bids may be considered irregular and be rejected for any of the following, but is not limited to the following circumstances:

(1) If the bid form is on a form other than that furnished by the Parish or if the form is altered or any part thereof is detached.
(2) If affidavits included in bid form and/or required by law are not returned with the bid or are not properly executed and notarized.
(3) If there are unauthorized additions, conditional or alternate bids or irregularities which alter the general terms and conditions, the plans or specifications, or make the bid incomplete, indefinite, or ambiguous as to its meaning.
(4) If the bidder adds provisions reserving the right to accept or reject the award or to enter into the contract pursuant to the award.
(5) If an owner or a principal officer of the bidding firm is an owner or a principal officer of a firm which has been declared by the Parish to be ineligible to bid.
(6) If the proposed bid security does not meet the requirements of Section K.
(7) If more than one proposal for the same work, services, materials or supplies is received from an individual, partner, firm, corporation, joint venture, other legal entity, or combination thereof under the same or a different name.
(8) The bid is not properly signed or the authority of the signature person submitting the bid is deemed insufficient or unacceptable.
(9) If the bidder does not possess the proper license(s) required as noted in the specifications.
(10) Any other reasons for rejection set forth by State or Parish laws, Ordinances or Resolutions.

c. In awarding contracts for materials and supplies, Jefferson Parish shall reject the lowest bid if received from a bidder domiciled in a Communist country, or if the materials or supplies are manufactured in a Communist country, including but not limited to China, North Korea and Vietnam, and to award the contract to the next lowest bidder. This Section shall not apply to any country having established trade relations agreements or approvals from the government of the United States. (LSA-R.S. 38:2212.3)

2. Disqualification of Bids

a. The causes for disqualification from consideration for award of a contract with Jefferson Parish are as follows (Jefferson Parish Code of Ordinances, Section 2-912):

(1) Conviction for commission of a criminal offense as an incident to obtaining or attempting to obtain a public or private contract or subcontract, or in the performance of such contract or subcontract;

(2) Conviction under state or federal statutes of embezzlement, theft, forgery, bribery, falsification or destruction of records, receiving stolen property, or any other offense indicating a lack of business integrity or business honesty which currently, seriously, and directly affects responsibility as a Parish contractor;

(3) Conviction under state or federal antitrust statutes arising out of the submission of bids or proposals;

(4) Violation of contract provisions, as set forth below, of a character which is regarded by the Purchasing Director or his designee for Jefferson Parish to be serious as to justify disqualification:

i. Deliberate failure without good cause to perform in accordance with the specifications or within the time limit provided in the contract; or

ii. A recent record of failure to perform or of unsatisfactory performance in accordance with the terms of one or more contracts; provided that failure to perform or unsatisfactory performance caused by acts beyond the control of the contractor shall not be considered to be a basis for disqualification; or

iii. Failure to timely pay, without cause, a subcontractor for work performed under a construction contract as required under Section 2-976 in Chapter 2, Article VII, of the Jefferson Parish Code of Ordinances, provided disqualification on such basis shall not exceed a period of one (1) year from the deadline to pay the subcontractor.

(5) Any other cause the Purchasing Director determines to be so serious and compelling as to affect responsibility as a Parish contractor, including debarment by another governmental entity for any cause;

(6) Violation of the State Code of Ethics or the ethical standards set forth in the Jefferson Parish Code of Ordinances;

(7) Failure to secure and/or maintain necessary licenses and/or permits;

(8) Failure to comply with the Jefferson Parish Code of Ordinances and/or the Jefferson Parish Comprehensive Zoning Ordinance; or failure to comply with or meet bid specifications and/or failure to be a responsible bidder.

(9) A bid which is not responsive to, or does not meet bid specifications, will be rejected as being non-responsive, but that bidder will not be disqualified from future Parish bids, nor will that bidder be given a hearing pursuant to procedure listed below.

b. The procedures for disqualification from consideration for award of a contract with Jefferson Parish are set forth in Sec. 2- 912 (b).

3. Award of Contract

The award of the contract, if it be awarded, will be by the Parish to the lowest responsive and responsible bidder whose proposal shall have complied with all the bid requirements. The successful bidder will be notified via the e-Procurement site that his bid has been accepted. No contract shall be executed with any contractor until their certificates of insurance, performance bonds, labor and materials payment bonds, or any other bonds required are made satisfactory to the Parish.

Jefferson Parish reserves the right to award contracts or place orders on a lump sum or individual item basis, or such combination as shall, in its judgment, be in the best interest of Jefferson Parish. Every contract or order shall be awarded to the lowest responsible bidder, taking into consideration the conformity with the specifications, and the delivery and/or completion date.

Preference will be given to bidders requesting a preference in their bid in accordance with LSA-R.S. 38:2251-2261 for materials, supplies, and provisions, produced, manufactured or grown in Louisiana, quality being equal to articles offered by competitors outside the State of Louisiana, unless federal funding is directly spent by Jefferson Parish on this project.

The successful bidder shall execute the contract with the Parish in the form of the contract included in the specifications, a copy of which is annexed hereto, in such number of counterparts as the Parish may request within twelve (12) days after receipt of notice of award of the contract by the Parish. One copy of the executed contract with all documents forming a part thereof shall be filed at the expense of the contractor, with the Recorder of Mortgages in Jefferson Parish.

PROTESTS: Only those vendors that submit bids in response to this solicitation may protest any element of the procurement, in writing to the Director of the Purchasing Department. Written protest must be received within 48 hours of the release of the bid tabulation by the Purchasing Department. After consultation, the Parish Attorney's Office will then respond to protests in writing. (For more information, please see Chapter 2, Article VII, Division 2, Sec. 2-913 of the Jefferson Parish Code of Ordinances.)

Upon full execution of the contract and receiving a written notice to proceed, the bidder agrees that all work shall be completed as follows:

The work shall be substantially complete within 180 calendar days of the written notice to proceed and completed and shall be ready for final acceptance no more than 30 calendar days after substantial completion.

G. SALES TAX EXEMPTION

For this project, the contractor shall not pay any state or local sales or use taxes on materials and equipment which are affixed and made part of the immovable property of the project or which is permanently incorporated in the project (hereinafter referred to as "applicable materials and equipment"). All purchases of applicable materials or equipment shall be made by the contractor on behalf of and as the agent of Jefferson Parish (Parish), a political subdivision of the State of Louisiana. No state and local sales and use taxes are owed on applicable materials and equipment under the provisions of Act 1029 of the 1991 Regular Session – Louisiana Revised Statute 47:301(8)(c). Parish will furnish to contractor a certificate form which certifies that Parish is not required to pay such state or local sales and use taxes, and contractor shall furnish a copy of such certificate to all vendors or suppliers of the applicable materials and equipment, and report to Parish the amount of taxes not incurred.

H. LIQUIDATED DAMAGES

In accordance with Resolution No. 113646, as amended, and Resolution No. 138482, Bidder agrees to pay, as liquidated damages, the sum of $150.00 for: (1) each consecutive calendar day after the agreed date of substantial completion that the work remains substantially incomplete, and (2) each consecutive calendar day after the 30th day following the actual date of substantial completion that the work has not been finally completed.

In addition to, but not in lieu of the per diem liquidated damages, Parish shall also be entitled to recover from the contractor or the contractor's surety additional liquidated damages as detailed in Resolution No. 113646, as amended, and Resolution No. 138482. These additional liquidated damages may include, but are not limited to the following, in the amounts and for each of the items identified in the Supplementary Conditions:

(1)	Extended Architectural and/or Engineering Fees	$ N/A /hour
(2)	Extended Resident Project Representative Fee	$ N/A /hour
(3)	Extended Construction Management Fees	$ N/A /day
(4)	Extended Parish's Overhead and Personnel Expenses	$ N/A /hour
(5)	Parish's Other Costs Directly Related to the Delay in Completion Beyond the Contract Times.	

Whenever contractor's work requires inspections in excess of the budgeted amount for inspection, the contractor shall reimburse the Parish for the additional costs incurred by the Parish attributable to inspection of the contracted project in excess of the budgeted amount for inspections.

The reasonable budget for such inspections is $ N/A. Resident Project Representative overtime rates shall be calculated at 1.2 times the hourly rate. The cost of inspection in excess of this budgeted amount shall be assessed against Contractor's progress payments, all in accordance with Louisiana Public Bid Law.

I. ETHICAL STANDARDS AND COOPERATION WITH THE OFFICE OF THE INSPECTOR GENERAL, INCLUDING CONFLICTS OF INTEREST

Vendor agrees by bid submission to comply with all provisions of Louisiana Law as well as compliance with the Jefferson Parish Code of Ordinances, Louisiana Code of Ethics, as published on http://ethics.la.gov and applicable Jefferson Parish ethical standards and Jefferson Parish Terms and Conditions.

Inspector General: It shall be the duty of every Parish officer, employee, department, agency, special district, board, and commission; and the duty of every contractor, subcontractor, and licensee of the Parish, and the duty of every applicant for certification of eligibility for a Parish contract or program, to cooperate with the Inspector General in any investigation, audit, inspection, performance review, or hearing pursuant to JPCO 2-155.10(19). Every Parish contract and every bid, proposal, application or solicitation for a Parish contract, and every application for certification of eligibility for a Parish contract or program shall contain a statement that the corporation, partnership, or person understands and will abide by all provisions of JPCO 2-155.10. By submitting a bid, Bidder acknowledges this and will abide by all provisions of the referenced JPCO.

Conflicts of Interest: Jefferson Parish adheres to the Louisiana Code of Governmental Ethics, contained in Louisiana Revised Statutes Annotated, R.S. 42:1101, et seq. Vendor/Proposer by this submission warrants that there are no "conflicts of interest" related to this procurement that would violate applicable Louisiana Law. Violation of the Louisiana Code of Governmental Ethics may result in rescission of contract, permit or licenses, and the imposition of fines and/or penalties, without contractual liability to the public in accordance with applicable law.

J. REQUIRED AFFIDAVITS

For convenience, all legally mandated affidavits have been combined into one form, entitled **Public Works Bid Affidavit**. All bidders must submit with their bid submission, a completed, signed and properly notarized affidavit in its original format and without alteration in order to be compliant and for the bid to be considered responsive. A scanned copy of the completed, signed and properly notarized affidavit may be submitted with the bid; however, the successful bidder must submit the original affidavit in its original format and without material alteration prior to, or at contract execution. Failure to comply will result in the bid submission being rejected as non-responsive. The Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event.

The person submitting the bid, and whose authority to submit has been evidenced on the Corporate Resolution is the proper party to execute the **Public Works Bid Affidavit.**

K. BID REQUIREMENTS (BID DOCUMENTS, SPECIFICATIONS, BONDS, W-9 AND PAYMENT INFO)

Bidders must review the bid specifications and include any required documentation including but not limited to the LA Public Works Uniform Bid Form, Bid Security, Corporate Resolution or written evidence of signature authority, and the Public Works Affidavit. Pursuant to LA R.S. 38:2212(B)(3)(b), bidders shall also be responsible for providing any other documentation as required, i.e. federal grant documentation, etc. Please note that the payment and performance bonds must be supplied by the successful bidder at contract signing.

No oral interpretation will be made to any bidder as to the meaning of the drawings, specifications, or contract documents. Every request for such interpretation shall be made in writing and addressed and forwarded to the Engineer, Architect or person distributing plans and specifications. No inquiry received within five (5) days prior to the day fixed for opening of the bids will be given consideration. Every interpretation made to the bidder shall be in the form of an addendum to the specifications and shall be issued as authorized by LA-R.S. 38:2212(O).

All such addenda shall become a part of the contract documents. Failure of any bidder to receive any such interpretation shall not relieve any bidder from any obligation under his bid as submitted without modification.

The specifications and plans are complementary of each other and all work called for or reasonably implied by either shall be performed as if called for by both. In case of conflict between the requirements of the specifications and plans, the specifications shall take precedence. Figured dimensions shall take precedence over scale dimensions, and larger scale details shall take precedence over smaller scale details in the general work drawings.

All vendors submitting bids shall register as a Jefferson Parish vendor, if not already registered. Registration forms may be downloaded from http://purchasing.jeffparish.net and click on Vendor Information. Current W-9 forms with respective Tax Identification numbers and vendor applications may be submitted at any time; however, if your company is not registered and/or a current W-9 form is not on file, vendor registration is mandatory. Vendors may experience a delay in payment if your company is not a registered vendor with Jefferson Parish.

Bidders must comply with all provisions of this Notice, the Standard General Conditions of the Construction Contract and any special conditions and specifications contained herein, all of which are made part of this bid proposal. Resolution No. 113646, as amended, and Resolution No. 138482 will be considered a part of the bid whether attached or not. A copy of these terms and resolutions may be obtained from the Office of the Parish Clerk, Suite 6700, Jefferson Parish General Government Building, 200 Derbigny Street, Gretna, Louisiana 70053. Bidders may also obtain a copy by visiting the Purchasing Department's webpage at http://purchasing.jeffparish.net and clicking on online forms.

Bid Security: Bidders shall provide bid security in the form of an electronic bid bond in the amount of five percent (5%) of the total bid price (Base Bid and any Alternates) (as per R.S. 38:2218). The Bid Security shall remain valid until the contract is executed or until final disposition is made of the bids submitted. Such security will become the property of the Parish in the event the successful bidder fails or refuses to execute the contract or fails to produce performance and payment bonds upon contract signing. Bids shall remain binding for at least forty-five (45) days after the date set for the Bid Opening. In the event the Parish issues the Letter of Award during this period, the bid accepted shall continue to remain binding until the execution of contract. Jefferson Parish and the lowest responsible bidder, by mutual written consent, may agree to extend the deadline for award by one or more extensions of thirty (30) calendar days.

When submitting online, bidders must submit an electronic bid bond through the respective online clearinghouse bond management system(s) as indicated in the electronic bid solicitation on Central Auction House. No scanned paper copies of any bid bond will be accepted as part of the electronic bid submission.

Performance Bond: A performance bond is required in 100% of the contract amount and is due at the signing of the formal contract, unless another percentage is required in the bid specifications. In the event of a conflict between these instructions and the bid specifications, the bid specifications shall control.

Payment Bond: A payment bond is required in 100% of the contract amount and is due at the signing of the formal contract, unless another percentage is required in the bid specifications. In the event of a conflict between these instructions and the bid specifications, the bid specifications shall control.

To the extent permitted by law, the bond requirements as set forth herein are waived insofar as Community Development Housing Rehabilitation Construction Contracts are concerned for single family, owner-occupied dwellings. The Parish Attorney's Office will omit the requirements in connection with Community Development Housing Rehabilitation Construction Contracts for single family, owner-occupied dwellings.

L. INSURANCE REQUIREMENTS

All bidders must submit with bid submission a current (valid) insurance certificate evidencing required coverages. Failure to comply will cause the bid to be rejected. The current insurance certificate will be used for proof of insurance at time of evaluation. Thereafter, and prior to contract execution, the low bidder will be required to provide final insurance certificates to the Parish which shall name the **Jefferson Parish, its Districts, Departments and Agencies under the direction of the Parish President and the Parish Council as additional insureds regarding negligence by the contractor for the Commercial General Liability and the Comprehensive Automobile Liability policies. Additionally, said certificates should reflect the name of the Parish**

Department receiving goods and services and reference the respective Jefferson Parish bid number.

JEFFERSON PARISH REQUIRED STANDARD INSURANCE

☑ **WORKER'S COMPENSATION INSURANCE**

As required by Louisiana State Statute, exception; Employer's Liability, Section B shall be $1,000,000 per occurrence when Work is to be over water and involves maritime exposures to cover all employees not covered under the State Worker's Compensation Act, otherwise this limit shall be no less than $500,000 per occurrence.

☑ **COMMERCIAL GENERAL LIABILITY**

Shall provide limits not less than the following: $1,000,000 Combined Single Limit per Occurrence for bodily injury and property damage.

☑ **COMPREHENSIVE AUTOMOBILE LIABILITY**

Bodily injury liability $1,000,000 each person; $1,000,000 each occurrence. Property Damage Liability $1,000,000 each occurrence.

UMBRELLA LIABILITY COVERAGE
An umbrella policy or excess may be used to meet minimum requirements.

FOR CONSTRUCTION AND RENOVATION PROJECTS:
The following are required if selected. Such insurance is due upon contract execution.

☐ **OWNER'S PROTECTIVE LIABILITY**

To be for the same limits of liability for bodily injury and property damage liability established for commercial general liability.

☐ **BUILDER'S RISK INSURANCE**

The contractor shall maintain Builder's Risk Insurance at his own expense to insure both the Parish of Jefferson and contractor as their interest may appear.

INSURANCE DEDUCTIBLES - The Parish Attorney with concurrence of the Director of Risk Management have waived the deductible section of the Terms and Conditions for all Invitations to Bid, until further notice.

M. INDEMNIFICATION

Bidder acknowledges that bidder recovered the cost of any required insurance in the contract price as required by LA R.S. 9:2780.1(I) and that bidder recovered any such cost for the purposes of insuring an obligation to indemnify Jefferson Parish, defend Jefferson Parish, or hold Jefferson

Parish harmless and that bidder's indemnity liability is limited to the amount of the proceeds that are payable under the insurance policy or policies that bidder has obtained.

N. FAMILIARITY WITH LAWS AND ORDINANCES

Bidders shall familiarize themselves with and shall comply with all applicable Federal and State Laws, Parish/Municipal Ordinances, Resolutions, and the rules and regulations of all authorities having jurisdiction over construction of the project, which may directly or indirectly affect the work or its prosecution.

These laws and/or ordinances will be deemed to be included in the contract, the same as though herein written in full.

In case of conflict between the requirements of these specifications and any State and/or Federal Regulations or Laws, the State and/or Federal Regulations or Laws shall take precedence in all cases in which State and/or Federal Funding of the contract, in whole or in part, depends upon compliance with said State and/or Federal Regulations or Laws.

O. MISCELLANEOUS

The successful bidder may be required to furnish a statement of the origin, composition, and manufacture of materials to be used in construction of the work together with samples, which samples may be subjected to testing to determine their quality and fitness for the work, as specified.

Bidders are not to exclude from participation in, deny the benefits of, or subject to discrimination under any program or activity, any person in the United States on the grounds of race, color, national origin, sex or religion except that any exemption from such prohibition against discrimination on the basis of religion as provided in the Civil Rights Acts of 1964, or Title VI and VII of the Act of April 11, 1968 shall also apply, as amended; nor discriminate on the basis of age under the Age Discrimination Act of 1975, as amended; nor with respect to an otherwise qualified handicapped individual as provided in Section 504 of the Rehabilitation Act of 1973, as amended. This assurance includes compliance with the administrative requirements of the Revenue Sharing final handicapped discrimination provisions contained in Section 51.55 (c), (d), (e), and (k) (5) of the Regulations.

Non-negotiable contract terms include but are not limited to taxes, assignment of contract, audit of records, EEOC and ADA compliance, record retention, content of contract/order of precedence, contract changes, force majeure, governing law, including ethics statements, claims or controversies, and termination based on contingency of appropriation of funds, as applicable.

LABOR, MATERIALS AND EQUIPMENT TO PROVIDE AND INSTALL PLAY EQUIPMENT AND A ONE (1) LAYER, BONDED RUBBER SURFACING IN TWO (2) AREAS ON EXISTING CONCRETE SLABS AT WALLY PONTIFF PLAYGROUND;

1521 PALM ST. METAIRIE, LA 70001

BID # 50-00140873

Section 1.0 – PRE-BID CONFERENCE

There will be no pre-bid meeting for this project. The successful bidder will be responsible for all measurements, etc. All site visits should be arranged through Brent Griffin, by calling the office at (504)349-5000 or his cell at (504)419-4415, or email at bgriffin@jeffparish.net

Section 2.0 – Scope:

We extend this bid to cover all labor, materials, equipment and necessary essentials to install play equipment and a one (1) layer, bonded rubber surfacing in two (2) areas on existing concrete slabs at Wally Pontiff Playground.

Purchases for this project shall be exempt from state sales and use tax according to La.R.S. 47:301(8)(c)(i). The successful bidder shall be granted the tax-exempt status of Jefferson Parish via Form R-1020, Designation of Construction Contractor as Agent of a Governmental Entity Sale Tax Exemption Certificate. Form R-1020 is distributed by the Louisiana Department of Revenue.

Section 3.0 –License Requirements:

The following Louisiana State license shall be required for this project:

Vendor shall hold a Building Construction and/or Recreation and Sporting Facilities and Golf Courses

Section 4.0 – Bond Requirements

Payment Bond – 50 % of the Contract Price
Performance Bond – 50% of the Contract Price
Bid Bond- 5% of the Total Bid Price

- Bid Bond to be submitted with the bid.
- Payment and Performance Bonds are to be submitted at contract execution.

Section 5.0 – Quantities/Inspection:

Bidders must inspect the site and perform their own measurements in order to determine the proper quantity of materials and equipment required to complete this project. All measurements given in these specifications are informational only.

Section 6.0 – Bid Specifications:

The successful bidder shall supply all labor, materials, equipment and necessary essentials to perform the following at the site mentioned above.

- Existing slabs to be used
- Owner will demo existing play structures
- Bonded rubber surfacing specs for play structures, color shall be picked from a color chart provided by awarded vendor
- All colors to be selected by owner from color chart provided by award vendor
- Parks and Recreation will not be responsible for any materials or equipment on site while job is in progress
- Awarded vendor must provide their own dumpster on site to dispose of debris and must get dumpster location approved
- Vendor shall be responsible for furnishing and installing all equipment, parts, supplies, supervision and personnel needed, plus any permits, fees, etc. needed to complete this job
- All work to be done in workmanlike manner
- Contractor shall be responsible for any damage to grounds, concrete and structures, etc. Contractor shall take pictures and videos before starting job
- Specifications for BCI Burkes Play Structure, per below specifications- or approved equal

General product material specifications

- Clamps
  - KoreKonnect ™ clamp castings [Nucleus, Voltage] or equal to shall be cast aluminum heat-treated alloy A356-T6 with a tensile strength of at least 34,000 psi, yield strength of at least 24,000 psi, shear of 20,700 psi, and elongation of 3.50% minimum. Each casting shall clamp to the post with two connection bolts. Clamp casting shall encapsulate the component attached to support surge loads, preventing surge loads being supported by only the hardware. Clamp shall be finished with a baked-on powder coating.
  - Clamp Castings [Little Buddies] or equal to shall be cast aluminum heat-treated alloy A356-T6 with a tensile strength of at least 34,000 psi, yield strength of at least 24,000 psi, shear of 20,700 psi, and elongation of 3.50% minimum. Each casting shall clamp to the post with one connection bolt. Clamp shall be finished with a baked-on powder coating.
- Platforms
  - Platforms [Nucleus, Synergy, Voltage, Little Buddies] or equal to One piece all welded construction consisting of 12 GA HRPO steel shell and gussets, PVC coated after fabrication. Platforms shall connect to posts with EZKonnect (patent pending) self-leveling fastening system, with two attachment points per corner, one of those being an open-ended slot for easy assembly. Platform fasteners shall attach to threaded inserts which are CNC precision factory installed into the posts.
  - Recycled Platforms [Nucleus] or equal to One piece all welded construction consisting of 12 GA HRPO steel shell and gussets, PVC coated after fabrication. Platforms shall connect to posts with EZKonnect (patent pending) self-leveling fastening system, with two attachment points per corner, one of those being an open-ended slot for easy assembly. Platform fasteners shall attach to threaded inserts which are CNC precision factory installed into the posts. Boards are a one-piece solid, non-hollow foamed recycled HDPE 9Re HDPE)
  - 90 Degree Platform [Nucleus, Voltage] or equal to One piece all welded construction consisting of 12 GA HRPO steel shell and gussets, PVC coated after fabrication. Platforms shall connect to posts with patented EZKonnect self-leveling fastening system, with two attachment points per corner, one of those being an open-ended slot for easy assembly. Platform fasteners shall attach to threaded inserts which are CNC precision factory installed into the posts. Barriers shall be one piece all welded construction consisting of 1.315" OD x 12 GA & 1.029" OD x 14 GA galvanized steel tubing, and 10 GA galvanized steel plate. Finished with a baked-on powder coating.
  - Crescent Platform: Platform mount shall be one piece all welded construction consisting of 2.375" 12ga and 1.315" 14ga formed galvanized tubing, 7ga stainless steel and 8ga galvanized steel plates, finished with a baked-on powder coating. Platform panel shall be 3/4" co-extruded HDPE.

- Fasteners
    - Button head cap screws and socket head cap screws shall be 302HQ corrosion resistant, passivated, stainless steel, tamper resistant, and pre-treated with a locking/sealing adhesive.
    - Other stainless steel hardware shall be 302HQ corrosion resistant stainless steel.
    - Non stainless steel hardware shall be zinc plated grade 5 steel.
    - Threaded Post Nut Inserts [Nucleus, Voltage, Little Buddies] or equal to shall be a corrosion resistant threaded insert crimped into post. Inserts shall be precision CNC located and factory installed for all attachment points.
- Rotationally Molded Plastic Parts, shall be manufactured from color compounded, linear, low-density polyethylene with an average of .250" wall thickness and textured non-sliding surfaces. Plastic parts shall be UV stablilized to UV-16 and shall have a density of 0.935 per ASTM D-1505. Plastic parts shall have a tensile strength at yield no less than 2500 psi with flexural modulus of 87,200 psi.
- HDPE plastic panel parts shall be precision cut from a single solid sheet of either .50" or .75" thick UV-stabilized extruded high-density polyethylene with colors molded in, with a durable matte finish. The material will have a density of 59.6 lbs/cu.ft. and a tensile strength of 4000psi. All edges shall be rounded or chamfered for safe play.
- Play Mats are 100% recycled rubber buffing's bonded with urethane.
- Posts, steel [Nucleus, Voltage, Little Buddies, Synergy] or equal to shall be cold-formed steel tubing with a yield test of at least 50,000 psi and a tensile strength of at least 55,000 psi. Tube members shall comply with ASTM A-135 and ASTM A-500 Grade B minimum and shall be tested according to ASTM E-8.
    - Tubing Exteriors shall be triple coated for maximum exterior protection: galvanized, then coated with a chromate conversion coating and finished with a baked-on powder-coat.
    - Tubing interiors shall be coated with a corrosion resistant zinc-rich coating.
    - Tubing and cap finished with a baked-on powder coating.
    - Standard posts shall be an assembly consisting of the galvanized steel tubing with a cast aluminum cap factory installed in the post with 1/8" x 15/32" stainless steel pinned aluminum drive rivets.
    - Posts [Nucleus, Intensity] or equal to shall be 5" OD x 11 GA galvanized steel tubing.
    - Posts [Little Buddies] or equal to shall be 2 3/8" OD x 12 GA galvanized steel tubing.
    - Posts [Voltage, Synergy] or equal to Post shall be 3 1/2" OD x 11 GA galvanized steel tubing.

- Posts, aluminum [Nucleus, Voltage, Intensity, Synergy] or equal to shall be extruded aluminum tubing with a yield test of at least 35,000 psi and a tensile strength of at least 38,000 psi. Tube members shall comply with and shall be tested according to ASTM B-221. Standard posts shall be an assembly consisting of the extruded aluminum tubing with a cast aluminum cap factory installed in the post with 1/8" x 15/32" stainless steel pinned aluminum drive rivets.

    - Posts [Nucleus, Intensity] or equal to shall be 5" OD x 1/8" wall thickness aluminum tubing.
    - Posts [Synergy, Voltage] or equal to Post shall be 3 1/2" OD x 1/8" wall thickness aluminum tubing.

Descriptions of Coatings

- PVC Coating (Poly-Vinyl Chloride): Prior to coating, each part shall be chemically washed, submerged in a heat-activated primer and dried. After drying, each part shall be pre-heated to a temperature no less than 350° F and immersed in liquid PVC. Play/usage surfaces shall have coating thickness of .085-.150 in. Park and site surfaces (i.e. benches, picnic tables) shall have coating thickness of .050-.080 in. PVC shall comply with California Assembly Bill #1108 by having a concentration that does not exceed 0.1% of the following phthalates; DINP, DIDP, DnOP, DEHP, or BBP. This formulation is also free of heavy metals such as Lead and Cadmium. The PVC shall have:

- Tensile strength of no less than 1830 psi per ASTM 412.
- Elongation of no less than 350% per ASTM 412.
- Tear strength of no less than 250 lb./in. per ASTM 624.
- Hardness of 75 +/- 3 (Durometer, Shore A) per ASTM 2240.
- UV stabilizer shall be added to PVC to withstand one year in a QUV panel tester without any significant color drift.
- Burn Rate will meet or exceed Federal Safety Standard MVSS 302. This is the same as a UL 94 HB rating.
- Powder Coating – Standard and Super Durable colors: All metal parts will be coated with a two-part powder coat system that consists of a primer and a top coat. Powder coating is electrostatically applied at a thickness of 3 to 6 mils (.003 - .006). Prior to powder coating, all parts shall be cleaned and pretreated with a 5 stage non-phosphate and non-chromic process. The primer is cured before applying the top coat which is a polyester/TGIC powder coating with superior color-, gloss-, and UV stabilizers. Note: Top coat may be Standard of Super Durable powder coating depending on specific color availability. Finish quality conforms to ASTM Specifications and will have the following properties:

    - Powder Coating – Standard and Super Durable colors:
    - Adhesion: No less than 5B [The edges of the cuts are completely smooth;

none of the squares of the lattice is detached.] (cross hatch/tape adhesion test per ASTM D3359 Method B).

- Hardness: No less than 2H (pencil hardness test per ASTM B3363).
- Resistance to Impact: Cracking at the perimeter of the concave area, but no cracking pick-off from 80 in/lb direct or reverse impact (ASTM D2794).
- Resistance to Bending: No visible cracking (1/8" bending test per ASTM 522).
- Degree of Gloss: No less than 80% reflected (specular gloss test at 60° per ASTM D523).
- Resistance to Salt Spray (Standard colors): No more than 1/8" undercutting and no blistering in 1000 hours (salt spray test per ASTM B117)
- Resistance to Humidity (Standard colors): No more than 1/8" undercutting and no blistering in 1000 hours (humidity test per ASTM D2247)

Further properties for specific Super Durable colors:

- Resistance to Acid Salt Spray (Super Durable colors): No more than 1/32" undercutting and no blistering in 3000 hours (salt spray test per ASTM G85 Annex 5).
- Resistance to Humidity (Super Durable colors): No more than 1/32" undercutting and no blistering in 3000 hours (humidity test per ASTM D2247)
- Weathering (Super Durable colors): No less than 4 (tested per EN 20105-A02)
- Light fastness (Super Durable colors): No less than Grade 7 (tested per EC ISO 105-B02)
- Corrosion protection: All metal parts will either have inherent corrosion protection such as stainless steel, aluminum or galvanized steel, or they will be pre-treated prior to powder coating with either an e-coat or zinc clear chromate coating for superior corrosion protection.

Barriers & Enclosures

- Center Mount Enclosure [Nucleus, Voltage] or equal to One piece all welded construction consisting of 3 1/2" OD X 11 GA, 1.315" OD X 12 GA & 1.029" x 14 GA galvanized steel tubing and 10 GA galvanized sheet. Finished with a baked-on powder coating.
- Clubhouse Enclosures [Nucleus] or equal to
- Clubhouse Full Board Panel and Clubhouse Half Board Panel consists of 3/4" recycled HDPE with

wood grain texture, 1.315" OD x 14 GA galvanized steel tubing and zinc plated steel nut inserts. Finished with a baked-on powder coating, and castings made of A356-T6 aluminum, heat-treated. Finished with baked on powder coating. The hardware package contains stainless steel button head cap screws, nuts, and washers; and aluminum rivets with 302 stainless steel pin.

- Clubhouse Upper Board Panel consists of 3/4" recycled HDPE with wood grain texture, bracket that is one piece all welded construction consisting of 10 GA galvanized sheet steel and a formed 3/16" stainless steel plate, finished with baked on powder coating. The hardware package contains stainless steel button head cap screws, washers and barrel nuts.

Enclosures [Little Buddies] or equal to 3/4" co-extruded H.D.P.E.

- Enclosures and Stanchions [Synergy Imagination] or equal to, ¾" co-extruded HDPE face mounted to 3 ½" OD posts. Filler bracket consisting of ½" extruded HDPE and a bracket consisting of 1 ¾" SQ x 12 GA galvanized steel tubing finished with a baked-on powder coating. One-piece welded construction consisting of 1.315" OD galvanized tubing and 7 GA stainless steel brackets. Finished with a baked-on powder coat.

- Enclosures, Climbers, Climbers 2-5 [Synergy] or equal to Synergy side enclosure shall be one-piece welded construction consisting of 1.315" OD galvanized tubing and 7 GA stainless steel brackets. Finished with a baked-on powder coat.

- Enclosures and Stanchions [Nucleus, Synergy, Voltage] or equal to One piece all welded construction consisting of 1.315" OD x 14 GA, 1.315" OD x 12 GA, and 1.029" OD x 14 GA galvanized steel tubing, and HDPE threaded inserts. Finished with a baked-on powder coating.

- Enclosure, Offset [Nucleus, Voltage] or equal to one piece all welded construction consisting of 1.315" OD x 14GA and 1.029" OD x 14 GA galvanized steel tubing, 10 GA galvanized sheet and HDPE threaded inserts. Finished with a baked-on powder coating.

- Enclosure, Offset [Synergy] or equal to One piece all welded construction consisting of 1.315" OD x 14 GA, 12 GA and 1.029" OD x 14 GA galvanized steel tubing and 7 GA stainless steel brackets finished with a baked-on powder coating.

- Evolution Barriers and Enclosures [Nucleus] or equal to shall consist of a weldment that is one piece all welded construction consisting of 1.315" OD x 12 GA galvanized steel tubing, 1.315" OD x 14 GA galvanized steel tubing, 13/16" OD x 15 GA or 1.029" OD x 14 GA galvanized steel tubing, and 8 GA and 10 GA galvanized steel plating, which is finished with a baked-on powder coating. The barriers shall have panel that are made of either ¾" extruded HDPW or ¾" co-extruded HDPE. There shall be castings that are A356-T6 aluminum, heat-treated, which are finished with a baked-on powder coating. All hardware shall be stainless steel nuts, screws, and washer.

- Evolution Stairway and Bridges [Nucleus] or equal to Shall consist of a weldment that is one piece all welded construction consisting of 1.315" OD X 12 GA galvanized steel tubing, 1.315" OD X 14 GA galvanized steel tubing, 13/16" OD X 15 GA or 1.029" OD x 14 GA galvanized steel tubing, and 8 GA and 10 GA galvanized steel plating, which is finished with a baked-on powder coating. The barriers shall have panel that are made of either 3/4"extruded HDPE or 3/4" co-extruded HDPE. There shall be castings that are A356-T6 aluminum, heat-treated, which are finished with a baked-on powder coating. All hardware shall be stainless steel. One piece all welded construction consisting of 12 GA HRPO steel surfaces, sides and gussets. PVC coated after fabrication.

- Internal Barrier [Voltage] or equal to Shall consist of four separate parts each being all welded construction consisting of 1.660" OD x 12 GA and 1.315" OD x 14 GA galvanized steel tube and 10 GA galvanized steel plate finished with a baked on powder coating.

- Pipe Walls, Nature Play Pipe Wall [Nucleus, Voltage, Little Buddies] or equal to One piece, all welded construction consisting of 1.315" OD x 14 GA and 1.029" OD x 14 GA galvanized steel tubing, and 1 1/2" x 1/2" x 10 GA formed galvanized steel plate. Finished with a baked-on powder coating.

- Pipe Wall with Steering Wheel or Telescope mount [Synergy] or equal to One piece, all welded construction consisting of 1.315" OD x 14 GA and 1.029" OD x 14 GA, galvanized steel tubing, and 1 1/2" x 1/2" x 10 GA formed galvanized steel plate and 304 SS machined shaft and 7 GA stainless steel brackets, and 1.135" OD galvanized tubing and 7GA stainless steel brackets and threaded insert. Finished with a baked-on powder coating.

- Platform Barrier [Synergy, Nucleus] or equal to barrier panel shall be ¾" co-extruded HDPE. Hardware package shall be stainless steel screws, nuts & washers.

- Pipe Wall [Little Buddies] or equal to One piece all welded construction consisting of 1.315" OD x 14 GA wall and 1.029" OD x 14 GA wall galvanized tubing, 1 1/2" x 1/2" x 1/8" HR steel channel and zinc coated grade 32510 malleable iron mounting lugs. Finished with a baked-on powder coating.

- Slotted Barrier [Nucleus, Voltage, Little Buddies] or equal to ¾" co-extruded HDPE.

- Stanchion [Little Buddies] or equal to One piece all welded construction consisting of 1.315" OD x 14 GA, 1.315" OD x 12 GA, and 1.029" OD x 14 GA galvanized steel tubing, and zinc coated grade 32510 malleable iron mounting lugs. Finished with a baked-on powder coating.

Brackets

- Panel Brackets [Synergy, Voltage] or equal to for accessible reach panels, upper board panels and battlement panels shall be one piece all welded construction consisting of 7 GA stainless steel formed plate and 8 GA galvanized sheet steel finished with a baked-on powder coating.

- Mounting Brackets [Voltage] or equal to Bracket shall be one piece all welded construction consisting of 3/16" stainless steel plate and 1.029" OD x 14 GA or 1.315" OD x 12 GA galvanized steel tubing. Finished with a baked-on powder coating.

- Mounting Tubes [Little Buddies] or equal to Tube shall be one piece all welded construction consisting of 1.315" OD x 14 GA galvanized steel tubing and a stainless steel threaded insert. Finished with a baked-on powder coating.

- Mounting Tubes [Synergy, Voltage, Nucleus] or equal to Tube shall be one piece all welded construction consisting of a 1.315 OD x .083" wall galvanized tube and a 12L14 steel threaded insert. Finished with a baked-on powder coating.

- Panel Mounting Tubes [Synergy, Voltage] or equal to Tube shall be one piece all welded construction consisting of 3/16" stainless steel plates and 1.315" OD x 12 GA galvanized steel tubing. Finished with a baked-on powder coating.

- Slide Entrance Brackets [Voltage, Nucleus, Synergy] or equal to Bracket shall be 14 GA galvanized steel plate finished with a baked-on powder coating.

- Steering Wheel Mount Bracket [Voltage, Little Buddies] or equal to and Post-Mounted Ship's Wheel Bracket [Nucleus] or equal to Bracket shall be one piece all welded construction consisting of a 3/16" stainless steel plate and a stainless-steel threaded shaft. Finished with a baked-on powder coating.

Bridges

- Arched Bridge [Nucleus, Voltage, Synergy] or equal to, Mini Arched Bridge [Nucleus, Voltage, Little Buddies] or equal to One piece all welded construction consisting of 12 GA HRPO steel and PVC coated after fabrication. Spacer casting shall be 356-T6 aluminum, heat treated with a baked-on powder coating.

- Barriers [Nucleus, Voltage, or equal to shall be one piece all welded construction consisting of 1.315" OD x 12 GA & 1.029" OD x 14 GA galvanized steel tubing, and 10 GA galvanized steel plate. Finished with a baked-on powder coating.

- Barriers [Synergy] or equal to shall be one piece all welded construction consisting of 1.315" OD x 12 GA galvanized steel tubing and formed 7 GA stainless steel plate.

- Barriers [Little Buddies] or equal to shall be ¾" extruded H.D.P.E.

- Guardrails [Nucleus, Voltage] or equal to shall be one piece all welded construction consisting of 1.315" OD x 12 GA & 1.029" OD x 14 GA galvanized steel tubing, and 10 GA galvanized steel plate. Finished with a baked-on powder coating.

- Arched Catwalk Bridge [Nucleus, Voltage] or equal to One piece all welded construction consisting of 12 GA HRPO steel surfaces with 12 GA sides and gussets [Voltage] or 7 GA sides and gussets [Nucleus] and PVC coated after fabrication. Barriers shall be one piece all welded construction consisting of 1.315" OD x 12 GA & 1.029" OD x 14 GA galvanized steel tubing, and 10 GA galvanized steel plate, finished with a baked-on powder coating. Spacer casting shall be 356-T6 aluminum, heat treated with a baked-on powder coating.

- Buckle Bridge [Nucleus, Voltage] or equal to, Plank connectors shall be 304 stainless steel finished with a baked- on powder coating. Bushings shall be oil-impregnated SAE 841 bronze, Spacer casting shall be 356-T6 aluminum, heat treated with a baked-on powder coating. Entrance planks and planks shall be one piece all welded construction consisting of a 12 GA HRPO steel surface, 1/4" HR steel sides, and 303 annealed stainless steel threaded studs. PVC coated after fabrication.

- Guardrails shall be one piece all welded construction consisting of 1.315" OD x 12 GA and 1.029" OD x 14 GA galvanized steel tubing, and 10 GA galvanized sheet steel. Finished with a baked-on powder coating.

- Barriers shall be one piece all welded construction consisting of 1.315" OD x 12 GA and 1.029" OD x 14 GA galvanized steel tubing, and 10 GA galvanized sheet steel. Finished with a baked-on powder coating.

- Conveyor Belt Bridge [Voltage] or equal to Hanger plates shall be 7 GA HRPO steel and finished with

a PVC coating. Belt hangers shall be one piece all welded construction consisting of 7 GA HRPO steel and weld studs. Finished with a PVC coating. Rubber belt shall be 3/8" nylon belted rubber.

- Guardrails shall be one piece all welded construction consisting of 1.315" OD x 12 GA & 1.029" OD x 14 GA galvanized steel tubing, and grade 32510 malleable iron support pins. Finished with a baked-on powder coating.

- Deck to Deck Plank [Nucleus, Voltage, Little Buddies, Synergy] or equal to Plank steps shall be 3/4" co-extruded
  H.D.P.E. Deck to deck plank shall be one piece all welded construction consisting of 12 GA HRPO steel and PVC coated after fabrication. Handholds shall be one piece all welded construction consisting of 1.029" OD x 14 GA galvanized steel tubing and 14 GA galvanized steel and finished with a baked-on powder coating. Anchor tubes shall be 1.315" OD x 12 GA galvanized steel tubing and finished with a baked-on powder coating.

- Straight Bridge [Nucleus, Voltage] or equal to One piece all welded construction consisting of 12 GA surfaces and 11 GA gussets. PVC coated after fabrication. Spacer casting shall be 356-T6 aluminum, heat treated with a baked-on powder coating.

- Barriers shall be one piece all welded construction consisting of 1.315" OD x 12 GA & 1.029" OD x 14 GA galvanized steel tubing, and 10 GA galvanized steel plate. Finished with a baked-on powder coating.

- Guardrails shall be one piece all welded construction consisting of 1.315" OD x 12 GA & 1.029" OD x 14 GA galvanized steel tubing, and 10 GA galvanized steel plate. Finished with a baked-on powder coating.

Specific Product Specifications for design #140-149758-5:

16" TRANSITION STAIR W/BARRIERS

- CASTING, STRAIGHT BRACKET: A356-T6 Aluminum, Heat- Treated. Finished with baked on powder coating.

- TOP STAIR BARRIER: One piece all welded construction consisting of 1.315" OD x 12 GA & 1.029" OD x 12 GA galvanized steel tubing and 10 GA galvanized steel plate. Finished with a baked on powder coating.

- BOTTOM STAIR TRANSITION BARRIER: One piece all welded construction consisting of 1.315" OD x 12 GA & 1.029" OD x 12 GA galvanized steel tubing and 10 GA galvanized steel plate. Finished with a baked on powder coating.

- 16" TRANSITION BARRIER: One piece all welded construction consisting of 1.315" OD x 12 GA & 1.029" OD x 12 GA galvanized steel tubing, malleable iron plug and 10 GA galvanized steel plate. Finished with a baked on powder coating.

- 16" ACCESSIBLE STAIRS: One piece all welded construction consisting of 12 GA HRPO steel surfaces, sides, and gussets. PVC coated after fabrication.

24" TRANSITION STAIR W/BARRIERS

- CASTING, STRAIGHT BRACKET: A356-T6 Aluminum, Heat- Treated. Finished with baked on powder coating.
- TOP STAIR BARRIER: One piece all welded construction consisting of 1.315" OD x 12 GA & 1.029" OD x 12 GA galvanized steel tubing and 10 GA galvanized steel plate. Finished with a baked on powder coating.
- 24" TRANSITION BARRIER: One piece all welded construction consisting of 1.315" OD x 12 GA & 1.029" OD x 12 GA galvanized steel tubing, malleable iron plug and 10 GA galvanized steel plate. Finished with a baked on powder coating.
- BOTTOM STAIR TRANSITION BARRIER: One piece all welded construction consisting of 1.315" OD x 12 GA & 1.029" OD x 12 GA galvanized steel tubing and 10 GA galvanized steel plate. Finished with a baked on powder coating.
- 24" ACCESSIBLE STAIRS: One piece all welded construction consisting of 12 GA HRPO steel surfaces, sides, and gussets. PVC coated after fabrication.

6' PVC TRADITIONAL BENCH W/BACK SM

- 6 SEAT/BACK: One piece all welded construction consisting of 14 GA HRPO steel. PVC coated after fabrication.

SM LEG, BENCH W/BACK: One piece all welded construction consisting of 2 3/8" OD x 12 GA steel tubing and sheet steel. Finished with a baked on powder coating.

8" CLOSURE PLATE, ELLIPSE

- 8" CLOSURE PLATE, ELLIPSE: 10 GA. Galv. Sheet

90 EG HORIZONTAL LADDER, NUCLEUS

- 90 DEG HORIZONTAL LADDER, NUCLEUS: One piece all welded construction consisting of 2 3/8" OD x 10 GA, 2 3/8" OD x 12 GA, and 1.315" OD x 12 GA galvanized steel tubing, and 3/16" thick stainless steel plate. Finished with a baked on powder coating.

CLUBHOUSE BOARD CLIMBER 72"

- CASTING, STRAIGHT BRACKET: A356-T6 Aluminum, Heat- Treated. Finished with baked on powder coating.

TUBE 1.315 OD X 32 5/8: 1.315" OD x 12 GA galvanized steel tubing finished with a baked on powder coating.

RECYCL BRD 2 X 4 X 24 7/8: 100% recycled post-consumer, high-density polyethylene plastic with U.V. inhibitors.

WOOD PLANK K: -

WOOD PLANK L: -

CLUBHOUSE UNITARY ENCLOSURE: One piece all welded construction consisting of 1.315" OD x 12 GA galvanized steel tubing, zinc plated steel nut inserts, and HDPE threaded inserts. Finished with a baked on powder coating.

SUPPORT RAIL: One piece all welded construction of 10 &12 GA HRPO steel. PVC coated after fabrication.

CLUBHOUSE FULL BOARD PANEL

- CASTING, STRAIGHT BRACKET: A356-T6 Aluminum, Heat- Treated. Finished with baked on powder coating.

TUBE 1.315" OD X 42 1/2": 1.315" OD x 14 GA galvanized steel tubing and zinc plated steel nut inserts. Finished with a baked on powder coating.

WOOD PLANK C: -

WOOD PLANK E: -

WOOD PLANK B: -

WOOD PLANK F: -

WOOD PLANK H: -

WOOD PLANK A: -

WOOD PLANK D: -

WOOD PLANK G: -

CLUBHOUSE OFFSET ENCLOSURE, LEFT

- CASTING, STRAIGHT BRACKET: A356-T6 Aluminum, Heat- Treated. Finished with baked on powder coating.
- WOOD PLANK C: -
- WOOD PLANK B: -
- WOOD PLANK CC: -
- WOOD PLANK A: -
- WOOD PLANK AA: -
- WOOD PLANK BB: -
- OFFSET ADAPTER: -
- CLUBHOUSE OFFSET ENCLOSURE, LEFT: One piece all welded construction consisting of 1.315" OD x 12 GA galvanized steel tubing, 10 GA galvanized sheet steel, and zinc-plated steel nut inserts. Finished with a baked on powder coating.

CLUBHOUSE OFFSET ENCLOSURE, RIGHT

- CASTING, STRAIGHT BRACKET: A356-T6 Aluminum, Heat- Treated. Finished with baked on powder coating.
- B. WOOD PLANK E: -
- C. WOOD PLANK EE: -
- D.WOOD PLANK F: -
- E. WOOD PLANK Z: -
- F. WOOD PLANK Y: -
- OFFSET ADAPTER: -
- WOOD PLANK DD: -

- CLUBHOUSE OFFSET ENCLOSURE, RIGHT: One piece all welded construction consisting of 1.315" OD x 12 GA galvanized steel tubing, 10 GA galvanized sheet steel, and zinc-plated steel nut inserts. Finished with a baked on powder coating.

CLUBHOUSE TILT ROOF

- ROOF SUPPORT: One piece all welded construction consisting of 5" OD X 11 GA galvanized steel tubing, 8 GA galvanized steel plate, and 7 GA HRPO steel plate. Finished with a baked on powder coating.
- CLUBHOUSE TILT ROOF ASSEMBLY: Assembly consisting of: one piece all welded roof frame consisting of 10 GA galvanized steel formed supports finished with a baked on powder coat, 3/4" EXTRUDED HDPE wood planks, zinc plated steel screws and 18-8 stainless steel flat and split lock washers.

CLUBHOUSE UNITARY ENCLOSURE

- CASTING, STRAIGHT BRACKET: A356-T6 Aluminum, Heat- Treated. Finished with baked on powder coating.
- WOOD PLANK K: -
- WOOD PLANK L: -
- CLUBHOUSE UNITARY ENCLOSURE: One piece all welded construction consisting of 1.315" OD x 12 GA galvanized steel tubing, zinc plated steel nut inserts, and HDPE threaded inserts. Finished with a baked on powder coating.

CONTOUR SLIDE, 64"-72"

- CASTING, 90 DEGREE BRACKET: A356-T6 Aluminum, Heat- Treated. Finished with baked on powder coating.
- TUBE 1.315" OD X 48 3/4": 1.315" OD X 12 GA galvanized tubing. Finished with a baked on powder coating.
- DOUBLE SLIDE HOOD: Double wall, linear low density, rotationally molded, U.V. stabilized polyethylene with double wall construction, molded in 3/8" T-nut inserts, and a textured surface.
- SLIDE, CONTOUR: 1/4" thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction, molded in 3/8" T-nut inserts, and a textured surface.
- SUPPORT, SLIDE EXIT: One piece all welded construction consisting of 2 3/8" OD x 12 GA galvanized steel tubing and 8 GA galvanized sheet steel. Finished with a baked on powder coating.
- HOOD MOUNT BRACKET 1.315" X 4 3/8": 10 gage mounting plate welded to 1.315" OD tubing. Finished with baked on powder coat.
- LUGE SLIDE MID SUPPORT: One piece all welded construction consisting of 2 3/8" OD x 10 GA galvanized steel tubing and 2 1/2" x 1 1/2" x 3/16" HRS angle. Finished with a baked on powder coating after fabrication.

CUSTOM ARCH SIGN

- ARCH SIGN BRACKET: One piece all welded construction consisting of 10 GA galvanized sheet steel and a formed 3/16" stainless steel plate, finished with a baked on powder coating.
- CUSTOM ARCH SIGN NUCLEUS: 3/4" co-extruded HDPE.

CUSTOM ARCH SIGN

- ARCH SIGN BRACKET: One piece all welded construction consisting of 10 GA galvanized sheet steel and a formed 3/16" stainless steel plate, finished with a baked on powder coating.
- CUSTOM ARCH SIGN NUCLEUS: 3/4" co-extruded HDPE.

CUSTOM PANEL 22 WITH COUNTER

- CASTING, FLAT PANEL: A356-T6 Aluminum, Heat- Treated. Finished with baked on powder coating.
- COUNTER SUPPORT: Formed 8 GA. galvanized sheet steel finished with a baked on powder coating.
- STORE COUNTER: 3/4" extruded HDPE.
- CUSTOM PANEL 39 1/4 X 22 WITH COUNTER: 3/4" Co-Extruded HDPE Routed

EVERGREEN POST TOPPER

- CASTING, FLAT PANEL: A356-T6 Aluminum, Heat- Treated. Finished with baked on powder coating.
- EVERGREEN PANEL: 3/4" extruded HDPE.

EVOLUTION ARCHED CATWALK BRIDGE

- CASTING, 90 DEGREE BRACKET: A356-T6 Aluminum, Heat- Treated. Finished with baked on powder coating.
- B.CASTING, SPACER (ONE HOLE): 356-T6 Aluminum, Heat- Treated. Finished with baked on powder coating.
- PANEL, EVOLUTION CATWALK BARRIER, LEFT: 3/4" Extruded HDPE
- PANEL, EVOLUTION CATWALK BARRIER,RIGHT: 3/4" Extruded HDPE
- PANEL, EVOLUTION CATWALK BARRIER, CENTER: 3/4" Extruded HDPE
- EVOLUTION CATWALK BRIDGE BARRIER: One piece all welded construction consisting of 1.315" od x 12 GA and 1.029" OD x 14 GA galvanized steel tubing, and 10 GA galvanized steel sheeting. Finished with baked on powder coating.
- ARCHED CATWALK BRIDGE 96": One piece all welded construction consisting of 12 GA surfaces and 7 GA sides and gussets. PVC coated after fabrication.

EVOLUTION UNITARY ENCLOSURE

- CASTING, STRAIGHT BRACKET: A356-T6 Aluminum, Heat- Treated. Finished with baked on powder coating.
- PANEL, EVOLUTION UNITARY: 3/4" Extruded HDPE
- EVOLUTION UNITARY ENCLOSURE, ALL METAL: One piece all welded construction consisting of 1.315" od x 12 GA and 1.029" OD x 14 GA galvanized steel tubing. Finished with baked on powder coating.
- EVOLUTION UNITARY ENCLOSURE, HDPE INFILL: One piece all welded construction consisting of 1.315" od x 12 GA and 10 GA galvanized steel sheeting. Finished with baked on powder coating.

EZ TENSION 15' X 15' SHADEPLAY CANOPY

- A.PIN, DOWEL, 1/2 DIA X 1 1/2: Hardened steel with a zinc chromate finish.
- PLATE 6 3/4" X 6 3/4" X 8 GA: 8 GA galvanized steel plate. Finished with a baked on powder coating.

- C.PLATE, END CAP TENSION ARM : -
- END CAP, STATIONARY PIVOT ARM: -
- E.ARM, TENSIONING: One piece welded construction of galvanized steel tubing. Finished with a baked on powder coating.
- F. RAFTER, NUCLEUS TENSIONING (15' X 15' CANOPY), or equal to: One piece welded construction of 1.900" OD 11 GA , 1.660" OD 12 GA and 5" OD 11 GA galvanized steel tubing. Finished with a baked on powder coating.
- G.15' X 15' SQUARE SHADEPLAY CANOPY W/CABLES, or equal to: Monofilament and tape construction high density polyethylene knitted shade fabric with vinyl covered galvanized cables, zinc-plated copper cable fasteners hot galvanized dipped turnbuckles. Performance Specification: Shade Canopy shall withstand uplift values of 19.63 PSF at a maximum of 90 MPH wind speed.
- TENSION ARM END ADJUSTMENT: TENSION ARM ASSEMBLY WITH ROTATING ARM AND END ADJUSTMENT

FREEDOM SWING SEAT, PAIR, 8' BEAM, STD CHAIN

- CHAIN 4/0 (47 1/8"): 3/8" diameter, 4/0 straight coil chain.
- CHAIN 4/0 (72"): 3/8" diameter, 4/0 straight coil chain.
- CHAIN 4/0 (22 1/2") PVC COATED: 3/8" diameter, 4/0 straight coil chain. PVC coated after fabrication.
- SPACER 1.13 OD X .25: 1/4" Nylatron GS.
- LOCTITE: Thread Locker; CAUTION: May irritate eyes, skin and respiratory system. Contains: polyglycol dimethacrylate, polyglycol oleate propylene clycol, titanium dioxide, and cumene hydroperoxide.
- F.U BOLT W/ PLATE & NUTS, 5/16"-18: Stainless steel hardware
- FREEDOM SWING SEAT ASSEMBLY: Seat with harness made of 1/4" thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction, molded in 3/8" T-nut inserts and a textured surface assembled together using an aluminium rod, stainless steel hardware, shims, springs, pins & standoffs along with a rubber bumper.

FS SIGN, AGES 2-5 BOTH SIDES PLANET RECESS

- FS SIGN FRAME: 10 GA GALV steel finished with baked-on black powder coating.
- ARCH POST, SIGN: One piece all welded construction consisting of 2 3/8" OD x 12 GA galvanized steel tubing and 10 GA galvanized sheet steel. Finished with a baked on powder coating.
- WELCOME SIGN, AGES 2-5, PLANET RECESS: A full color graphic sign printed on 3 mm DiBond

FS SIGN, AGES 5-12 BOTH SIDES PLANET RECESS

- FS SIGN FRAME: 10 GA GALV steel finished with baked-on black powder coating.
- ARCH POST, SIGN: One piece all welded construction consisting of 2 3/8" OD x 12 GA galvanized steel tubing and 10 GA galvanized sheet steel. Finished with a baked on powder coating.
- WELCOME SIGN, AGES 5-12, PLANET RECESS: A full color graphic sign printed on 3 mm DiBond

LB TRAIN DINING CAR

- TABLE TOP: 3/4" co-extruded HDPE.
- PANEL, DOUBLE WHEEL: 3/4" extruded HDPE.

- PANEL, TRAIN ROOF: 1/2" extruded HDPE.
- PANEL, WHEEL COVER: 1/2" extruded HDPE.
- PANEL, TRAIN BENCH: 3/4" extruded HDPE.
- PANEL, TRAIN END: 3/4" co-extruded HDPE.
- PANEL, DINING CAR SIDE: 3/4" co-extruded HDPE.
- ANCHOR TUBE 1.66 X 33 1/2: 1.660" OD x 12 GA galvanized steel tubing finished with a baked on powder coating.
- POST, TABLE TOP: One piece all welded construction consisting of 2 3/8" OD x 12 GA galvanized steel tubing and 8 GA GALV steel plate. Finished with a baked on powder coating.
- TUBE SUPPORT, 1.315 x 45 3/8": One piece all welded construction consisting of 1.315" OD x 14 GA galvanized steel tubing and 302 SS insert. Finished with a baked on powder coating.
- BRACKET, MOUNTING 2 1/4 x 2 1/4 x 2": 10 GA galvanized steel with a baked on powder coating.
- BRACKET, MOUNTING 2 x 2 x 42 1/2": 10 GA galvanized steel with a baked on powder coating.

LB TRAIN ENGINE

- PLATE, ANGLE: 10 GA galvanized sheet steel. Finished with a baked on powder coating.
- GALVANIZED 4/0 CHAIN 12": 4/0 straight coil chain.
- TUBE, SUPPORT 1.315 x 14 7/16": 10 GA galvanized steel with a baked on powder coating.
- STR TUBE W/O FLANGE W/PORTS: .250" thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with a textured outside surface.
- KNOB: 3/4" extruded HDPE.
- PANEL, WHEEL RAIL: 3/4" extruded HDPE.
- PANEL, ENGINE STACK: 3/4" co-extruded HDPE.
- PANEL, TRAIN ROOF: 1/2" extruded HDPE.
- PANEL, TRAIN BENCH: 3/4" extruded HDPE.
- PANEL, TRAIN COUNTER TOP: 3/4" extruded HDPE.
- PANEL, INCLINE: 3/4" co-extruded HDPE.
- PANEL, FRONT WHEEL, LH: 3/4" co-extruded HDPE.
- PANEL, SINGLE WHEEL: 3/4" co-extruded HDPE.
- PANEL, ENGINE FRONT: 3/4" co-extruded HDPE.
- PANEL, ENGINE SIDE: 3/4" co-extruded HDPE.
- PANEL, TRAIN END: 3/4" co-extruded HDPE.
- PANEL, FRONT WHEEL, RH: 3/4" co-extruded HDPE.
- PANEL, TRAIN : 3/4" co-extruded HDPE.
- ANCHOR TUBE 1.66 X 33 1/2: 1.660" OD x 12 GA galvanized steel tubing finished with a baked on powder coating.

- TUBE SUPPORT, 1.315 x 45 3/8": One piece all welded construction consisting of 1.315" OD x 14 GA galvanized steel tubing and 302 SS insert. Finished with a baked on powder coating.
- TUBE, BELL: One piece all welded construction consisting of 5" OD X SCH 10 aluminum tubing and 5" OD aluminum plate. Finished with a baked on powder coating.
- BRACKET, MOUNTING 2 1/2 x 2 1/2 x 57": 10 GA galvanized steel with a baked on powder coating.
- BRACKET, MOUNTING 2 1/2 x 2 1/2 x 32": 10 GA galvanized steel with a baked on powder coating.
- BRACKET, MOUNTING 2 1/4 x 2 1/4 x 2": 10 GA galvanized steel with a baked on powder coating.
- SPACER 1.13 OD X .25: 1/4" Nylatron GS.

LEAF CLIMBER 40" - 48"

- LEAF CLIMBER 40 - 48": One piece all welded construction consisting of 1.660" OD x 12 GA and 1.315" OD x 14 GA galvanized steel tube and 10 GA galvanized steel plate. Finished with a baked on powder coating.
- LEAF STEP: Cast aluminum alloy finished with a baked on powder coating.

LIL NOVO BEAN STEP

- LIL NOVO SEAT PANEL, or equal to: 3/4" Co-extruded HDPE
- LIL NOVO SEAT FRAME, or equal to: One piece all welded construction consisting of 3.5" OD x 11 GA galvanized steel tubing, 8 GA galvanized steel sheeting, and 1/4" zinc-chromated HR steel sheeting. Finished with a baked on powder coating.

LUGE SLIDE, 48"-56"

- CASTING, 90 DEGREE BRACKET: A356-T6 Aluminum, Heat- Treated. Finished with baked on powder coating.
- TUBE 1.315" OD X 48 3/4": 1.315" OD X 12 GA galvanized tubing. Finished with a baked on powder coating.
- DOUBLE SLIDE HOOD: Double wall, linear low density, rotationally molded, U.V. stabilized polyethylene with double wall construction, molded in 3/8" T-nut inserts, and a textured surface.
- SLIDE, LUGE: 1/4" thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction, molded in 3/8" T-nut inserts, and a textured surface.
- SUPPORT, SLIDE EXIT: One piece all welded construction consisting of 2 3/8" OD x 12 GA galvanized steel tubing and 8 GA galvanized sheet steel. Finished with a baked on powder coating.
- HOOD MOUNT BRACKET 1.315" X 4 3/8": 10 gage mounting plate welded to 1.315" OD tubing. Finished with baked on powder coat.
- LUGE SLIDE MID SUPPORT: One piece all welded construction consisting of 2 3/8" OD x 10 GA galvanized steel tubing and 2 1/2" x 1 1/2" x 3/16" HRS angle. Finished with a baked on powder coating after fabrication.

MESA CLIMBER

- GRIP PANEL, END: 3/4" co-extruded HDPE
- GRIP PANEL, MIDDLE: 3/4" co-extruded HDPE

- ROPE ASSEMBLY, TAB TO TAB, 653/4": 20mm rope consists of 6 right hand, regular lay strands, closed around a synthetic fiber core, with each preformed strand consisting of 8 galvanized steel wires tightly covered with polyester fibers. Aluminum end connectors and ferrules.
- BRACKET, YOKE CONNECTION: One piece all welded construction consisting of 7 GA stainless steel sheeting and 3/8" thick stainless steel tab. Finished with a baked on powder coating.
- INCLINE CLIMBER, 16" OFFSET: One piece welded construction consisting of 1.315" OD X 12 GA, 1.660" OD X 12 GA and 1.900" OD X 11 GA galvanized steel tubing, 10 GA galvanized steel sheet steel all finished with a baked-on powder coating.

MONACO SLIDE, 32"-40"

- MONACO SLIDE, or equal to: 1/4" thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction, molded in 3/8" T-nut inserts, and a textured surface.
- SUPPORT, SLIDE EXIT: One piece all welded construction consisting of 2 3/8" OD x 12 GA galvanized steel tubing and 8 GA galvanized sheet steel. Finished with a baked on powder coating.

NPPS SUPERVISION SAFETY KIT

- NPPS DVD: National Program for Playground Safety Supervision safety kit including training manual, training DVD, and supervision fanny pack with supplies.

OVISTEP LAUNCH PAD

- OVISTEP LANDING PANEL: 3/4" co-extruded HDPE.
- BRACKET, STEP MOUNTING: One piece all welded construction consisting of 10 GA galvanized sheet steel, 7 GA stainless steel sheet and 1.315" OD x 12 GA galvanized steel tubing. Finished with a baked on powder coating.

PIPE WALL

- CASTING, STRAIGHT BRACKET: A356-T6 Aluminum, Heat- Treated. Finished with baked on powder coating.
- S5 PIPE WALL: One piece all welded construction consisting of 1.315" OD x 14 GA, 1.315" OD x 12 GA, and 1.029" OD x 14 GA galvanized steel tubing. Finished with a baked on powder coating.

PISTON PANEL

- CASTING, FLAT PANEL: A356-T6 Aluminum, Heat- Treated. Finished with baked on powder coating.
- BRONZE BEARING .377 X .75 X .75: Oil impregnated, bronze.
- PANEL, 3-IN-A-ROW PUCK: 3/4" Extruded HDPE.
- KNOB: 3/4" extruded HDPE.
- CAM SPINNER: 3/4" extruded HDPE
- PISTON PANEL: 3/4" Co-extruded HDPE.

PLAYMAT 3' X 5' X 2"

- PLAYMAT 3' X 5' X 2": 100% recycled rubber buffings bonded with urethane.

POST MOUNTED BELL

- GALVANIZED 4/0 CHAIN 12": 4/0 straight coil chain.
- KNOB: 3/4" extruded HDPE.

- BELL BRACKET: One piece all welded construction. Finished with a baked on powder coating.
- TUBE, BELL: One piece all welded construction consisting of 5" OD X SCH 10 aluminum tubing and 5" OD aluminum plate. Finished with a baked on powder coating.
- SPACER 1.13 OD X .25: 1/4" Nylatron GS.

SHASTA CLIMBER, 80"-96"

- SHASTA CLIMBER: One piece all welded construction consisting of 1.315" OD x 12 GA galvanized steel tubing, and 7 GA stainless steel sheet. Finished with a baked-on powder coating.

SINGLE LEAF SEAT

- LEAF BRACKET: One piece all welded construction consisting of a formed 3/16" stainless steel plate, 10 GA galvanized steel plate and 1.315" OD x 14 GA galvanized steel tubing. Finished with a baked on powder coating.
- LEAF STEP: Cast aluminum alloy finished with a baked on powder coating.

SINGLE POST SWING ADD-ON 5" OD

- PENDULUM CASTING: Galvanized plated, grade 32510, malleable iron
- POST CAP 5" OD AL: A356 - ALUMINUM
- BRONZE BEARING .377 X .75 X .75: Oil impregnated, bronze.
- BEAM, SWING 5" OD X 134": One piece all welded construction consisting of 5" OD x 11 GA galvanized steel tubing and 8 GA galvanized steel plate. Finished with a baked on powder coating.
- LOCTITE: Thread Locker; CAUTION: May irritate eyes, skin and respiratory system. Contains: polyglycol dimethacrylate, polyglycol oleate propylene clycol, titanium dioxide, and cumene hydroperoxide.
- FLANGED POST ASSEMBLY 5" OD X 147": Assembly consisting of 5" OD x 11 GA galvanized steel tubing, 1/4" wall cast aluminum cap, and 1/8" x 15/32" aluminum drive rivets. Tubing and cap finished with a baked on powder coating.

SINGLE POST SWING ASSEMBLY 5" OD

- PENDULUM CASTING: Galvanized plated, grade 32510, malleable iron
- POST CAP 5" OD AL: A356 - ALUMINUM
- HALF CLAMP, 5" OD: 8 GA galvanized steel plate finished with a baked on powder coating.
- BRONZE BEARING .377 X .75 X .75: Oil impregnated, bronze.
- BEAM, SWING 5" OD X 134": One piece all welded construction consisting of 5" OD x 11 GA galvanized steel tubing and 8 GA galvanized steel plate. Finished with a baked on powder coating.
- LOCTITE: Thread Locker; CAUTION: May irritate eyes, skin and respiratory system. Contains: polyglycol dimethacrylate, polyglycol oleate propylene clycol, titanium dioxide, and cumene hydroperoxide.
- FLANGED POST ASSEMBLY 5" OD X 147": Assembly consisting of 5" OD x 11 GA galvanized steel tubing, 1/4" wall cast aluminum cap, and 1/8" x 15/32" aluminum drive rivets. Tubing and cap finished with a baked on powder coating.

SLIDE HOOD, LOW SIDE WALL

- CASTING, FLAT PANEL: A356-T6 Aluminum, Heat- Treated. Finished with baked on powder coating.

- SLIDE HOOD: Linear, low density rotationally molded, U.V. stabilized, polyethylene, .250" thick, double wall construction. Textured outside surface.
- SLIDE HOOD WELDMENT, LOW SIDE WALL, LEFT: -
- SLIDE HOOD WELDMENT, LOW SIDE WALL, RIGHT: -

SQUARE PLATFORM

- SQUARE PLATFORM S5P: 12 GA HRPO sheet, finished with a PVC Coating

SQUARE PLATFORM

- SQUARE PLATFORM S5P: 12 GA HRPO sheet, finished with a PVC Coating

STEERING WHEEL ASSEMBLY

- STEERING WHL ATTACH PLATE: Formed 10 GA galvanized steel plate, finished with a baked on powder coating.
- STEERING WHEEL SUPPORT PLATE: One piece all welded construction consisting of a formed 10 GA galvanized steel plate and a stainless steel threaded shaft. Finished with a baked on powder coating.
- STEERING WHEEL ASSEMBLY: Assembly Consisting of a one piece all welded steering wheel made of 14 GA spun steel and 1 3/8" OD Steel Tube and a bronze bearing. Steering wheel is PVC coated after fabrication.

TOT SEAT, 7' & 8' PAIR, STD CHAIN

- GALVANIZED, 4/0 CHAIN 64 9/16": 3/8" diameter, 4/0 straight coil chain.
- MOLDED RUBBER TOT SEAT ONLY: Molded rubber, reinforced with a steel insert. Riveted galvanized attachment hardware.
- SPACER 1.13 OD X .25: 1/4" Nylatron GS.
- LOCTITE: Thread Locker; CAUTION: May irritate eyes, skin and respiratory system. Contains: polyglycol dimethacrylate, polyglycol oleate propylene clycol, titanium dioxide, and cumene hydroperoxide.
- CLEVIS SHACKLE W/BOLT: 5/16" Shackle with a 3/8" X 1 1/2" bolt.

TRACKS 2-SIDED PLAY PANEL, BELOW PLATFORM

- CASTING, FLAT PANEL: A356-T6 Aluminum, Heat- Treated. Finished with baked on powder coating.
- TRACKS PANEL: 3/4" Co-extruded HDPE

TRANGO CLIMBER, POST TO POST

- ROPE ASSEMBLY, TAB TO TAB 84 11/16": Rope consists of 6 right hand, regular lay strands, closed around a synthetic fiber core, with each preformed strand consisting of 8 galvanized steel wires tightly covered with polyester fibers. Aluminum end connectors and ferrules.
- BRACKET, VINE CLIMBER CONNECTION: One piece all welded construction consisting of 7 GA stainless steel formed plate and 8 GA galvanized sheet. Finished with a baked on powder coating.
- WELDMENT, VINE CLIMBER: One piece all welded construction consisting of 1.660" OD X 12 GA & 1.315" OD X 12 GA galvanized steel tubing. Finished with a baked on powder coating.
- BRACKET, YOKE CONNECTION 1 3/4" X 7 1/4": One piece all welded construction consisting of 3/8" thick stainless steel and formed 7 GA stainless steel sheet. Finished with a baked on powder coating.

TRANGO TWO, POST TO POST 5 TO 12

- ROPE ASSEMBLY, TAB TO TAB 84 11/16": Rope consists of 6 right hand, regular lay strands, closed around a synthetic fiber core, with each preformed strand consisting of 8 galvanized steel wires tightly covered with polyester fibers. Aluminum end connectors and ferrules.
- BRACKET, YOKE CONNECTION 1 3/4" X 7 1/4": One piece all welded construction consisting of 3/8" thick stainless steel and formed 7 GA stainless steel sheet. Finished with a baked on powder coating.

TRANSFER STATION, HANDRAIL 40"

- CASTING, STRAIGHT BRACKET: A356-T6 Aluminum, Heat- Treated. Finished with baked on powder coating.
- 45 1/2" SINGLE POST SUPPORT: One piece welded construction consisting of 3.5" OD X 11 Ga galvanized tubing and a 1/4" HRS mounting plate finished with a baked-on powder coat.
- SINGLE POST TRANSFER PLATFORM: One piece welded construction consisting of 12 GA sheet steel, 1/4" HRS mounting plate and 4 1/2" X 11 Ga steel tubing finished with a PVC dipped coating.
- LEFT HANDRAIL 40": One piece all welded construction consisting of 1.315" OD x 12 GA & 1.029" OD x 12 GA galvanized steel tubing and 10 GA galvanized steel plate. Finished with a baked on powder coating.
- RIGHT HANDRAIL 40": One piece all welded construction consisting of 1.315" OD x 12 GA & 1.029" OD x 12 GA galvanized steel tubing and 10 GA galvanized steel plate. Finished with a baked on powder coating.
- 24" ACCESSIBLE STAIRS: One piece all welded construction consisting of 12 GA HRPO steel surfaces, sides, and gussets. PVC coated after fabrication.

TRANSFER STATION, HANDRAIL 48"

- CASTING, STRAIGHT BRACKET: A356-T6 Aluminum, Heat- Treated. Finished with baked on powder coating.
- 45 1/2" SINGLE POST SUPPORT: One piece welded construction consisting of 3.5" OD X 11 Ga galvanized tubing and a 1/4" HRS mounting plate finished with a baked-on powder coat.
- SINGLE POST TRANSFER PLATFORM: One piece welded construction consisting of 12 GA sheet steel, 1/4" HRS mounting plate and 4 1/2" X 11 Ga steel tubing finished with a PVC dipped coating.
- LEFT HANDRAIL 48": One piece all welded construction consisting of 1.315" OD x 12 GA & 1.029" OD x 12 GA galvanized steel tubing and 10 GA galvanized steel plate. Finished with a baked on powder coating.
- RIGHT HANDRAIL 48": One piece all welded construction consisting of 1.315" OD x 12 GA & 1.029" OD x 12 GA galvanized steel tubing and 10 GA galvanized steel plate. Finished with a baked on powder coating.
- 32" ACCESSIBLE STAIR: One piece all welded construction consisting of 12 GA HRPO steel surfaces, sides, and gussets. PVC coated after fabrication.

TRIANGLE PLATFORM

- TRIANGLE PLATFORM S5P: 12 GA HRPO sheet, finished with a PVC Coating

TRIANGLE PLATFORM

- TRIANGLE PLATFORM S5P: 12 GA HRPO sheet, finished with a PVC Coating

VIA CLIMBER 64"-72"

- A.VIA CLIMBER, 64"-72": One piece all welded construction consisting of 1.900" OD X 11 GA galvanized steel side rails,1.315" OD X 12 GA rungs and an 8 GA galvanized steel mounting plate finished with a baked-on powder coating.

VIPER II S-SPIRAL 96, or equal to

- CASTING, 90 DEGREE BRACKET: A356-T6 Aluminum, Heat- Treated. Finished with baked on powder coating.
- TUBE 1.315" OD X 48 3/4": 1.315" OD X 12 GA galvanized tubing. Finished with a baked on powder coating.
- ENTRANCE SLIDE SECTION: 1/4" thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction, molded in 3/8" T-nut inserts, and a textured surface.
- EXIT SLIDE SECTION: 1/4" thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction, molded in 3/8" T-nut inserts, and a textured surface.
- STRAIGHT SLIDE SECTION: 1/4" thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction, and a textured surface.
- 45 DEG LEFT SLIDE SECTION: 1/4" thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction, and a textured surface.
- 45 DEG RIGHT SLIDE SECTION: 1/4" thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction, and a textured surface.
- SPIRAL 90 DEG SLIDE SECTION: 1/4" thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction, and a textured surface.
- DOUBLE SLIDE HOOD: Double wall, linear low density, rotationally molded, U.V. stabilized polyethylene with double wall construction, molded in 3/8" T-nut inserts, and a textured surface.
- SUPPORT, SLIDE EXIT: One piece all welded construction consisting of 2 3/8" OD x 12 GA galvanized steel tubing and 8 GA galvanized sheet steel. Finished with a baked on powder coating.
- SLIDE ENTRANCE PLATFORM, S5: Welded platform 12 gage shell and gussets. Finished with PVC coating.
- HOOD MOUNT BRACKET 1.315" X 4 3/8": 10 gage mounting plate welded to 1.315" OD tubing. Finished with baked on powder coat.
- SLIDE SUPPORT 3J: 8 gage formed plate welded to 1.660" OD tubing. Finished with baked on powder coat.
- SLIDE SUPPORT 4J: 8 gage formed plate welded to 1.660" OD tubing. Finished with baked on powder coat.
- SLIDE SUPPORT 2J: 8 gage formed plate welded to 1.660" OD tubing. Finished with baked on powder coat.
- VIPER SPIRAL SUPPORT 96: 8 gage formed plate welded to formed 1.660" OD galvanized tubing. Finished with baked on powder coat.
- SLIDE SUPPORT 1J: 8 gage formed plate welded to 1.660" OD tubing. Finished with baked on powder coat.

VOLTA INCLUSIVE SPINNER

- PLATE, 8" OD: 8" OD x 12 GA galvanized steel plate
- THRUST BALL BEARING 2 3/4 ID: Heavy duty, precision thrust, sealed ball bearing.
- VOLTA INCLUSIVE SPINNER: Linear, low density rotationally molded, U.V. stabilized, polyethylene, .250" thick, double wall construction. Textured outside surface.
- BASE, CAROUSEL PLATFORM: One piece all welded construction consisting of 3 1/4" OD DOM steel tubing, 1/4" & 7 GA HR steel plate, and 2 3/4" dia. steel round with e-coat plating. Finished with a baked on powder coat.
- FRAME, VOLTA SPINNER: One piece all welded construction consisting of 5 1/2" OD x 3/8" wall DOM steel tubing hub with 1.9" OD galvanized steel support arms, 8 GA mounting plate, 12 GA mounting plate, and 12 GA preventative plate, finished with a baked on powder coating
- SPEED LIMITER, VOLTA SPINNER: Assembly consisting of a high torque low speed hydraulic motor with flow control valving, a stainless steel motor coupling, a steel bracket, stainless steel set screws, zinc plated steel hardware, steel hydraulic fittings and hose ends.

WINDOW PANEL ABOVE PLATFORM

- CASTING, FLAT PANEL: A356-T6 Aluminum, Heat- Treated. Finished with baked on powder coating.
- PANEL WINDOW: 3/4" co-extruded HDPE.

Warranty Requirements:

- One Hundred (100) Year Limited Warranty on aluminum and steel upright posts against structural failure due to corrosion, deterioration or workmanship.
- One Hundred (100) Year Limited Warranty on clamps against structural failure due to corrosion, deterioration or workmanship.
- One Hundred (100) Year Limited Warranty on Hardware (nuts, bolts, washers)
- One Hundred (100) Year Limited Warranty on bolt-through fastening and clamp systems.
- Twenty-Five (25) Year Limited Warranty on spring assemblies and aluminum cast animals.
- Fifteen (15) Year Limited Warranty on structure platforms and decks, metal roofs, table tops, bench tops, railings and barriers against structural failure due to materials or workmanship.
- Fifteen (15) Year Limited Warranty on all plastic components including StoneBorders against structural failure due to materials or workmanship.
- Ten (10) Year Limited Warranty on Canopies fabric, threads, and cables against degradation, cracking or material breakdown resulting from ultra-violet exposure, natural deterioration or manufacturing defects. This warranty is limited to the design loads as stated in the specifications.
- Ten (10) Year Limited Warranty on products against *structural failure due to natural deterioration or workmanship. Natural wear, which* may occur with any concrete product with age, is excluded from this warranty
- Ten (10) Year Limited Warranty on Full Color Custom Signage against manufacturing defects that cause delamination or degradation of the sign. Full Color Custom Signs also carry a two (2) year warranty against premature fading of the print and graphics on the signs.
- Five (5) Year Limited Warranty on cables and flex bridge against premature wear due to

natural deterioration or manufacturing defects. Determination of premature wear will be at the manufacturer's discretion.

- Five (5) Year Limited Warranty on moving parts, including swing components, against structural failure due to materials or workmanship.
- Five (5) Year Limited Warranty on cables and mallets against defects in materials and workmanship.
- Three (3) Year Limited Warranty on electronic panel speakers, sound chips and circuit boards against electronic failure caused by manufacturing defects.

PLAYGROUND PROTECTIVE SURFACING

PART 1 – GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section Includes:

1.Unitary synthetic poured Single Density rubber seamless surface

B. Related Sections:

1.Division 31 Section "Earth Moving" for filling and grading and for [drainage course] [drainage/separation geo textiles] [and sub base courses].

2.Division 33 Section "Sub drainage" for playground sub drainage system.

1.3 DEFINITIONS

A. Critical Height: Standard measure of shock attenuation. According to CPSC No. 325, this means "the fall height below which a life-threatening head injury would not be expected to occur."

1.4 PERFORMANCE REQUIREMENTS

A. Impact Attenuation: According to ASTM F 1292-17A or latest version.

B. Accessibility of Surface Systems: According to ASTM F 1951-14 or latest version.

1.5 ACTION SUBMITTALS

A. Product Data: For each type of product indicated.

B. LEED Submittals:

1.Product Data for Credit MR 4: For products having recycled content, documentation indicating percentages by weight of postconsumer and preconsumer recycled content. Include statement indicating cost for each product having recycled content.

C. Shop Drawings: For each playground surface system, include materials, plans, cross sections, drainage, installation, and edge termination. Include patterns made by varying colors of surfacing. Include details of graphics.

D. Samples for Initial Selection:

1.Include similar samples of playground surface system and accessories involving color selection.

E. Samples for Verification: For each type of playground surface system indicated.

1.Minimum 6X6 Sample of synthetic rubber seamless surface.

F. Product Schedule: For playground surface systems.[Use same designations indicated on Drawings.]

1.6 INFORMATIONAL SUBMITTALS

A. Coordination Drawings: Plans, drawn to scale, on which the following items are shown and coordinated with each other, using input from Installers of the items involved:

1. Extent of surface systems and use zones for equipment.
2. Critical heights for playground surfaces and fall heights for equipment.

B. Qualification Data: For qualified Installer and testing agency.

C. Product Certificates: For each type of unitary synthetic playground surface system, from manufacturer.

D. Product Test Reports: Based on evaluation of comprehensive tests performed by a qualified testing agency, for each unitary synthetic playground surface system.

E. Field quality-control reports.

F. Warranty: Sample of Warranty. Minimum of 3 years not pro-rated

1.7 CLOSEOUT SUBMITTALS

A. Maintenance Data: For playground surface system to include in maintenance manuals.

B. Material Certificates: Material certificates will be filled out and signed by specified manufacturer/supplier that specified materials were shipped and in proper amounts for square footage/thickness/color.

1.8 Warranty/ Maintenance

A. The poured in place safety surfacing manufacturer should provide a warranty to the owner that covers defects in materials and workmanship from the date of Substantial Completion – upon customer request.

B. The manufacturer's warranty should include general wear and tear. The warranty should specifically exclude vandalism, high heel punctures, acts of war or acts of nature beyond the control of the owner or the manufacturer.

C. All poured in place warranties should be limited to repair or replacement of the affected areas and should include all necessary materials, labor, transportation costs, etc. to complete said repairs.

D. The manufacturer should instruct the owner's personnel on proper maintenance and repair of the FLEXGROUND STANDARD safety surface.

E. All warranties, expressed or implied, are contingent upon the following:

1. installation being performed by FLEXGROUND, and 2. Full payment by the owner of all pertinent invoices and adhere to any required maintenance procedure.

1.9 QUALITY ASSURANCE

A. Installer Qualifications: An employer of workers trained and approved by manufacturer.

B. Source Limitations: Obtain playground surface system materials, including primers and binders, from manufacturer specified

1. Provide secondary materials including adhesives, primers, and repair materials of type and from source recommended by manufacturer of playground surface system materials.

C. Standards and Guidelines: Comply with CPSC No. 325, "Handbook for Public Playground Safety"; ASTM F 1292; and ASTM F 1487.

1.10 PROJECT CONDITIONS

A. Weather Limitations: Proceed with installation only when existing and forecasted weather conditions permit playground surface system installation to be performed according to manufacturers' written instructions and warranty requirements.

1.11 WARRANTY

A. Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components of playground surface system that fail in materials or workmanship within specified warranty period.

1.Failures include, but are not limited to, the following:

a. Reduction in impact attenuation.

b. Deterioration of surface and other materials beyond normal weathering and wear and tear.

2.Warranty Period: 3 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 UNITARY SYNTHETIC SINGLE-DENSITY SEAMLESS SURFACE

A. Surface System: Poured-in-place, single layer system. Provide manufacturer's standard thickness for each layer as required for overall thickness indicated, tested for impact attenuation according to ASTM F 1292-17A and for accessibility according to ASTM F 1951-14.

1.Products: Subject to compliance with requirements, provide the following: Flex-Ground Surfacing 2140 Cedar St Tempe, AZ 85281 www.flexground.comPoured Course Thickness: Minimum 1.5" thick using +5 SBR buffing colored with pigment containing no metal or lead. Rubber to urethane ratio shall be 18% or 9lbs or urethane per 50lbs of rubber.

2.Binder: Weather-resistant, flexible, non-hardening, 100 percent solids polyurethane complying with requirements of authorities having jurisdiction for nontoxic and low VOC content. Binders allowed are Prem Arc urethanes as distributed by American Recycling Center in Owosso, Michigan as well as DOW Voramer MR urethanes. No TDI urethanes will be permitted.

3.Overall Thickness: Not less than [as required for critical height indicated] [2 inches (4' CFH)], [2.5 inches (5' CFH)] [3 inches (6' CFH)] [3.75 inches (8' CFH)] [4.5 inches (10' CFH)].

4.Primer/Adhesive: Manufacturer's standard primer and weather-resistant, moisture-cured polyurethane adhesive suitable for unit, substrate, and location indicated.

5.Rubber Surfacing Color(s): [As indicated] The system color should be selected from Manufacturer's Color Chart by owner prior to bid and prior to installation.

B. Leveling and Patching Material: Portland cement-based grout or epoxy- or polyurethane-based formulation suitable for exterior use and approved by playground surface system manufacturer.

PART 3 - EXECUTION

3.1 EXAMINATION:

A. Examine substrates and conditions, with Installer present, for compliance with requirements for maximum moisture content, sub grade and substrate conditions, drainage, and other conditions affecting performance of the Work. Drainage at the low end of the site is of the utmost importance. Any brick or concrete walls or curbs at the low end of the area to receive the play surface must have drainage access via weep holes. Weep holes must extend a minimum of 2inches above the top of the new concrete slab and a minimum of 1/8" below the top of the new concrete slab. The latter is necessary because the rubber surfacing system is porous and water will permeate (drain downward) to the concrete slab.

B. Hard-Surface Substrates: Verify that substrates are satisfactory for unitary playground surface system installation and that substrate surfaces are dry, cured, and uniformly sloped to drain within recommended

tolerances according to playground surface system manufacturer's written requirements for cross-section profile.

1.Asphalt Substrates: Verify that substrates are dry, sufficiently cured to bond with adhesive, free from surface defects, and free of dust, dirt, loose particles, grease, oil, and other contaminants incompatible with playground surface system or that may interfere with adhesive bond.

2.Concrete Substrates: Verify that substrates are dry, free from surface defects, and free of laitance, glaze, efflorescence, curing compounds, form-release agents, hardeners, dust, dirt, loose particles, grease, oil, and other contaminants incompatible with playground surface system or that may interfere with adhesive bond. Determine adhesion, dryness, and acidity characteristics by performing procedures recommended in writing by playground surface system manufacturer.

3.Stone Substrates: Verify that substrates are a minimum of 4" thick with proper drainage and compacted to 95%. Stone used shall be ¾ minus with screenings or suitable equivalent and shall vary no more than 1/8" within a 10 ft radius. Core drillings for equipment poles shall be filled flush to the top of the stone with concrete to prevent sinkholes after installation of PIP surface.

C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

A. General: Prepare substrates to receive surfacing products according to playground surface system manufacturer's written instructions. Verify that substrates are sound and without high spots-ridges, holes, and depressions.

B. [Concrete] [Asphalt][Stone] Substrates: Provide sound surface free of laitance, efflorescence, curing compounds, and other contaminants incompatible with playground surface system.

1.Repair unsatisfactory surfaces and fill holes and depressions.

2.Mechanically scarify or otherwise prepare concrete substrates to achieve recommendeddegree of roughness.

3.Saw cut [concrete] [asphalt] for terminal edges of playground surface systems asindicated.

4.Treat control joints and other nonmoving substrate cracks to prevent telegraphing throughplayground surface system.

5.Confirm slope and drainage are correct and in place.

3.3 INSTALLATION, GENERAL

A. General: Comply with playground surface system manufacturer's written installation instructions. Install playground surface system over area and in thickness indicated.

3.4 INSTALLATION OF SEAMLESS PLAYGROUND SURFACE SYSTEMS

A. Seamless Surface: Mix and apply components of playground surface system according to manufacturer's written instructions to produce a uniform, monolithic wearing surface and impact-attenuating system of total thickness indicated.

1.Poured Course: Spread evenly over primed substrate to form a uniform layer applied at manufacturer's standard spreading rate in one continuous operation, with a minimum of cold joints. Thickness of course should meet ASTM 1292-04 guidelines and shall be a minimum of 1.5" thick.

2.Edge Treatment: [Flush] [Extended surface course] [Saw-cut base and vertical pour][As indicated]. Fully adhere edges to substrate with full coverage of substrate. Maintain fully cushioned thickness required to comply with safety performance requirements.

3.5 FIELD QUALITY CONTROL

A. Testing Agency: [Owner will engage] [Engage] a qualified testing agency to perform tests and inspections.

B.Testing Services: Testing and inspecting of completed applications of playground surface system shall take place according to ASTM F 1292-04 or latest version.

C.Remove and replace applications of playground surface system where test results indicate that itdoes not comply with requirements.

D.Additional testing and inspecting, at Contractor's expense, will be performed to determinecompliance of replaced or additional work with requirements.

3.6 PROTECTION

A.Provide protection of surface during curing process.

Section 7.0 - Hours of Work:

Work shall be performed during normal working hours. All work must be scheduled with owner representative 5 days in advance. The successful bidder shall work normal building working hours (7:00am – 5:00pm) to provide a safe work environment at no extra charge to Jefferson Parish.

Section 8.0 – Cleaning Area and Safety:

Job site must be clean and free of all litter and debris daily and upon completion of the contract. Passageways must be kept clean and free of material, equipment, and debris at all times. Inflammable material must be removed from the job site daily, because storage will not be permitted on the premises. Precautions must be exercised at all times to safeguard the welfare and safety of the general public, employees of Jefferson Parish, and other Parish officials.

Section 9.0 – Permits:

The successful bidder shall obtain any and all permits required by the Jefferson Parish Department of Inspection and Code Enforcement. The successful bidder shall also be responsible for payment of these permits. All permits must be obtained prior to the start of the project.

Section 10.0 – Pre-Construction Conference and Notice to Proceed:

A Pre-Construction Conference shall be held between the successful bidder and the owner before any work commences. No work shall be performed until the successful bidder receives a written "Notice to Proceed" to begin work.

Section 11.0 – Construction Term

Upon receiving a Notice to Proceed, the successful bidder agrees that all work to be completed as follows: Vendor agrees to commence actual physical work on the site with adequate force and equipment within 10

WEEKS from the date of notice to proceed. All work shall be substantially completed in 4 MONTHS. Consecutive calendar days from date of Notice to Proceed.